

Converting Colors

XYZ(100.0508, 97.3553,
201.5988)

Have a look what the booklet for
XYZ(100.0508, 97.3553, 201.5988)
contains.

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Color

**XYZ(82.0488, 90.0428,
107.6633)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF8FF
RGB	223, 248, 255
RGB Percent	87%, 97%, 100%
CMY	0.1255, 0.0274, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	193°, 100%, 94%
HSV	193°, 13%, 100%
XYZ	82.0488, 90.0428, 107.6633
YIQ	241.3230, -17.1470, -3.1230

Conversions

Conversions Part 2

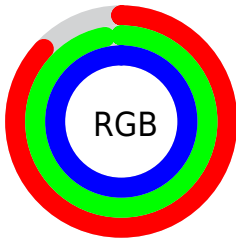
Format	Color
R _Y B	223, 237, 255
Decimal	14678271
CIE Lab	96.01, -6.74, -6.12
CIE LCh	96, 9.105, 222.250
Yxy	90.0428, 0.2933, 0.3219
Android (android.graphics.Color)	4292868351 (0xFFDFF8FF)
YUV	241.3230, 6.7428, -16.0693
Hunter-Lab	94.8909, -11.7164, -0.8469

Details

The XYZ color **82.0488, 90.0428, 107.6633** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8555, 83.1796, 81.5019**, and the grayscale version is **83.8237, 88.1891, 96.0379**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1911, 50.1013, 60.7148** is the 20% darker color. If you saturate the color by 10%, you get **73.0883, 82.9195, 106.7606**, and if you desaturate by 10%, it is **92.2482, 97.8854, 108.6395**.

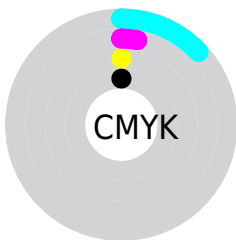
Distribution



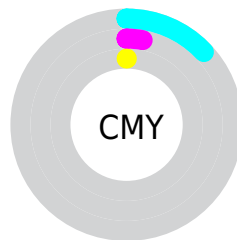
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0488, 90.0428, 107.6633 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 82.0488, 90.0428, 107.6633 by changing the saturation by 10% instead.

82.0488, 90.0428,
107.6633

82.0488, 90.0428,
107.6633

490.4429,
528.1701, 605.9476

61.7200, 68.0161,
82.0633

135.1779,
147.3978, 173.7925

45.0612, 49.9109,
60.8816

168.7089,
183.4950, 215.1588

31.7071, 35.3426,
43.6997

207.3714,
225.0512, 262.6175

21.2924, 23.9269,
30.0990

251.5307,
272.4506, 316.5873

13.4516, 15.2794,
19.6611

301.5521,
326.0779, 377.4867

7.8194, 9.0157,
11.9673

357.8010,

4.0304, 4.7514,

386.3173, 445.7342

6.5991

420.6429,
453.5532, 521.7483

■ 1.7194, 2.1022,
3.1381

■ 0.4683, 0.6658,
1.1656

■ 82.0488, 90.0428,
107.6633

■ 82.0488, 90.0428,
107.6633

■ 73.0883, 82.9195,
106.7606

■ 92.2482, 97.8854,
108.6395

■ 65.3065, 76.4765,
105.9272

95.0500, 100.0000,
108.9000

■ 58.6487, 70.6874,
105.1607

■ 53.0527, 65.5195,
104.4581

■ 48.4502, 60.9369,
103.8161

■ 44.7646, 56.8994,
103.2311

■ 41.9075, 53.3608,
102.6986

■ 39.7720, 50.2652,
102.2137

■ 38.5329, 48.1858,
101.8776

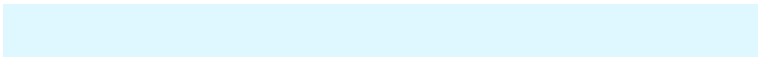
Harmonies

Analogous

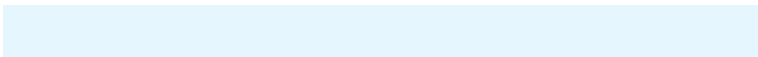
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9381, 90.0428, 101.0130



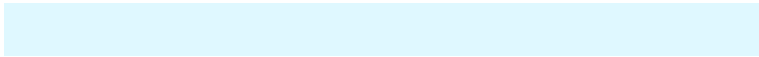
82.0488, 90.0428, 107.6633



84.1154, 90.0428, 111.8495

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0488, 90.0428, 107.6633



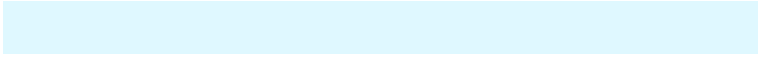
90.2776, 90.0428, 102.3298



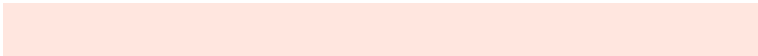
84.5598, 90.0428, 85.1053

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



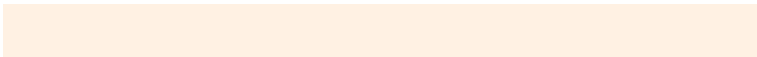
82.0488, 90.0428, 107.6633



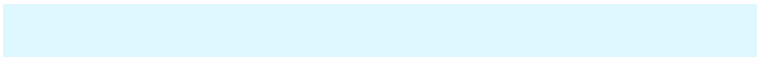
82.8555, 83.1796, 81.5019

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0676, 90.0428, 85.4190



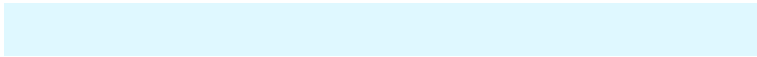
82.0488, 90.0428, 107.6633



90.4022, 90.0428, 95.1285

Square

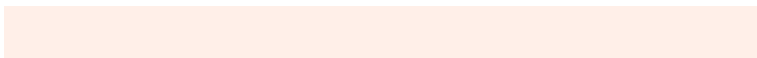
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0488, 90.0428, 107.6633



88.8799, 90.0428, 108.6679



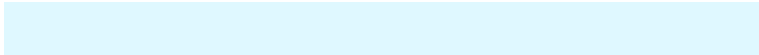
89.2172, 90.0428, 89.0104



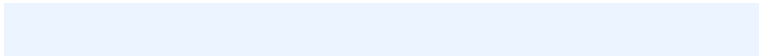
82.3686, 90.0428, 88.1311

Rectangle

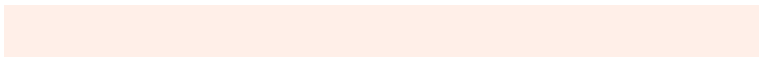
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



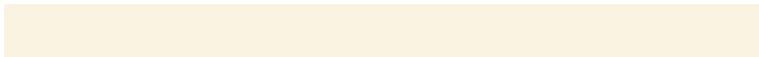
82.0488, 90.0428, 107.6633



85.7732, 90.0428, 112.5601



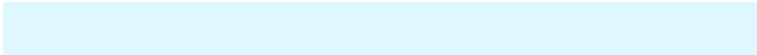
89.2172, 90.0428, 89.0104



85.3930, 90.0428, 84.8280

Sweetspot

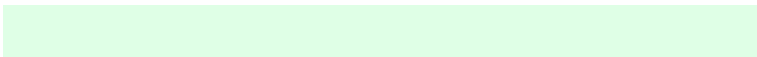
The Sweet Spot groups the original color and five complimentary colors.



82.0511, 90.0464, 107.6639



90.6893, 96.7022, 108.4933



80.4659, 92.9178, 88.5090



19.2406, 20.5683, 23.2059



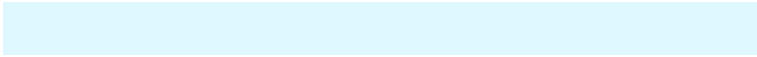
0.0000, 0.0000, 0.0000



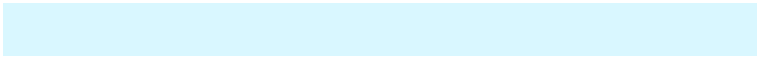
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0511, 90.0464, 107.6639



79.7414, 88.2342, 107.4358



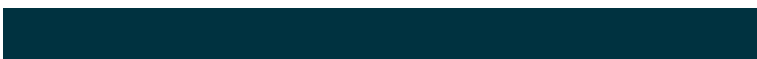
77.3579, 80.6599, 106.0995



18.1982, 19.7679, 23.1064



20.2493, 25.4082, 53.2716



2.0510, 2.6327, 5.2133

Inverse Universe

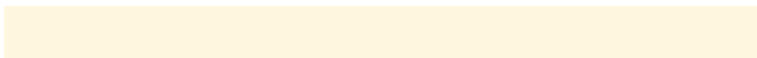
The Inverse Universe completely reimagines the original color for something new.



84.5724, 80.8141, 99.9526



82.7212, 77.4500, 98.2931



87.4952, 92.4592, 83.0485



18.6127, 18.2284, 21.8435



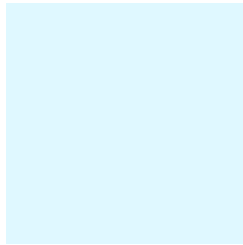
27.0091, 13.2929, 29.7621



2.6699, 1.3103, 3.1089

Previews

White Background



This preview shows how the XYZ color 82.0488, 90.0428, 107.6633 looks on a white background.

Color Contrast Check

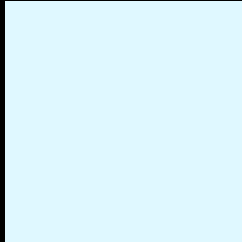
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 82.0488, 90.0428, 107.6633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

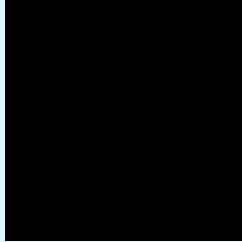
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0488, 90.0428, 107.6633

Background



This preview shows how black text looks on a background with the XYZ color 82.0488, 90.0428, 107.6633.

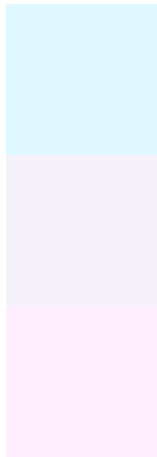


This preview shows how white text looks on a background with the XYZ color 82.0488, 90.0428,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.0488, 90.0428, 107.6633

Protanopia

86.8209, 89.8818, 104.0398

Deuteranopia

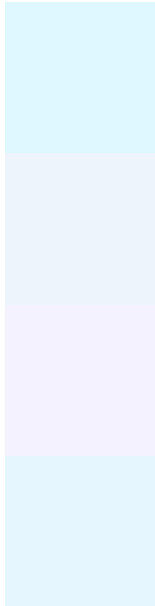
89.5442, 89.5009, 105.4844



Tritanopia

84.6341, 90.0172, 107.5221

Trichromacy



Original Color

82.0488, 90.0428, 107.6633

Protanomaly

84.8464, 89.7342, 104.9440

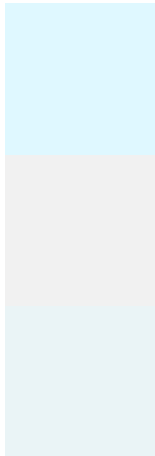
Deuteranomaly

86.6037, 89.7147, 106.5181

Tritanomaly

83.6389, 89.9545, 107.5625

Monochromacy



Original Color

82.0488, 90.0428, 107.6633

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.9169, 88.8476, 99.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0488, 90.0428, 107.6633 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 248, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.0488, 90.0428, 107.6633 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 248, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 248, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0488, 90.0428, 107.6633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 248, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223,  
248, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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