

Converting Colors

XYZ(78.0219, 83.3214,
106.5782)

Have a look what the booklet for
XYZ(78.0219, 83.3214, 106.5782)
contains.

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Color

**XYZ(78.1397, 83.5847,
106.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEEFF
RGB	220, 238, 255
RGB Percent	86%, 93%, 100%
CMY	0.1372, 0.0666, 0.0000
CMYK	0.14, 0.07, 0.00, 0.00
HSL	209°, 100%, 93%
HSV	209°, 14%, 100%
XYZ	78.1397, 83.5847, 106.6228
YIQ	234.5560, -16.1850, 1.4710

Conversions

Conversions Part 2

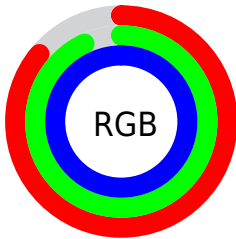
Format	Color
R _Y B	220, 232, 255
Decimal	14479103
CIE Lab	93.27, -2.59, -10.21
CIE LCh	93, 10.534, 255.749
Yxy	83.5847, 0.2912, 0.3115
Android (android.graphics.Color)	4292669183 (0xFFDCEEFF)
YUV	234.5560, 10.0789, -12.7656
Hunter-Lab	91.4247, -7.4311, -5.1489

Details

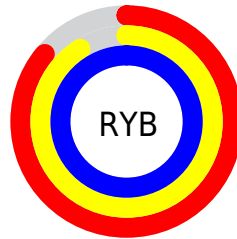
The XYZ color **78.1397, 83.5847, 106.6228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4419, 86.9941, 80.0527**, and the grayscale version is **78.5648, 82.6562, 90.0126**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4380, 45.5324, 59.9780** is the 20% darker color. If you saturate the color by 10%, you get **67.5211, 72.9435, 105.1285**, and if you desaturate by 10%, it is **90.1879, 95.3355, 108.2559**.

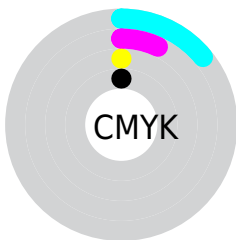
Distribution



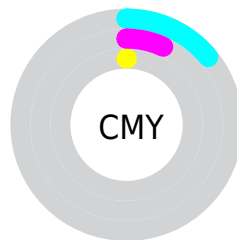
- Red (86%)
- Green (93%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1397, 83.5847, 106.6228 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 78.1397, 83.5847, 106.6228 by changing the saturation by 10% instead.

■ 78.1397, 83.5847,
106.6228

■ 78.1397, 83.5847,
106.6228

477.4737,
506.9331, 602.6508

■ 58.4919, 62.6726,
81.1953

129.7114,
138.3941, 172.3600

■ 42.4490, 45.5764,
60.1705

162.3660,
173.0602, 213.5068

■ 29.6457, 31.9117,
43.1299

200.0869,
213.0797, 260.7305

■ 19.7166, 21.2941,
29.6549

243.2395,
258.8371, 314.4496

■ 12.2962, 13.3391,
19.3270

292.1891,
310.7168, 375.0826

■ 7.0194, 7.6625,
11.7276

347.3011,

■ 3.5207, 3.8797,

369.1030, 443.0481

6.4382

408.9408,
434.3804, 518.7647

■ 1.4347, 1.6065,
3.0402

■ 0.2808, 0.3620,
1.1152

■ 78.1397, 83.5847,
106.6228

■ 78.1397, 83.5847,
106.6228

■ 67.5211, 72.9435,
105.1285

■ 90.1879, 95.3355,
108.2559

■ 58.2673, 63.3644,
103.7673

95.0500, 100.0000,
108.9000

■ 50.3182, 54.8112,
102.5353

■ 43.6062, 47.2411,
101.4279

■ 38.0573, 40.6078,
100.4400

■ 33.5883, 34.8602,
99.5661

■ 30.1038, 29.9401,
98.8001

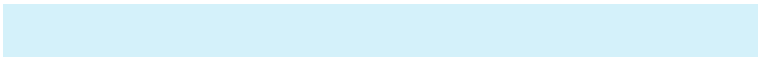
■ 27.4881, 25.7790,
98.1348

■ 26.1895, 23.4990,
97.7632

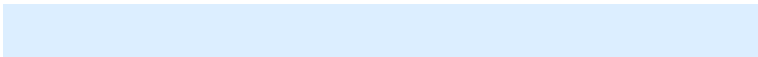
Harmonies

Analogous

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



75.7827, 83.5847, 102.3887



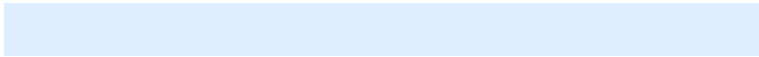
78.1397, 83.5847, 106.6228



80.9004, 83.5847, 106.5080

Triad

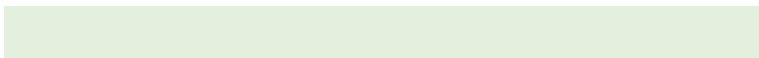
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1397, 83.5847, 106.6228



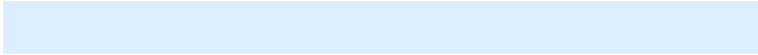
84.6866, 83.5847, 86.9284



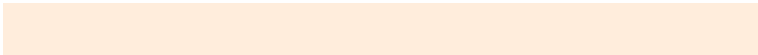
75.6873, 83.5847, 80.7666

Complementary

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



78.1397, 83.5847, 106.6228



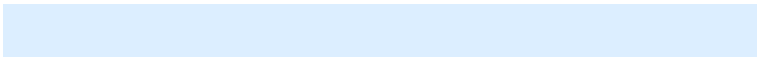
84.4419, 86.9941, 80.0527

Split Complementary

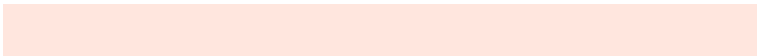
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0066, 83.5847, 77.0925



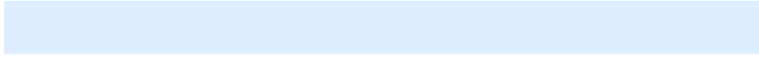
78.1397, 83.5847, 106.6228



83.2229, 83.5847, 80.5063

Square

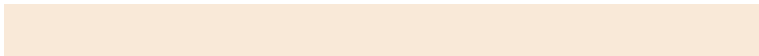
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1397, 83.5847, 106.6228



84.7242, 83.5847, 94.8197



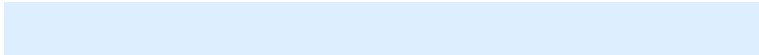
80.7643, 83.5847, 77.0001



74.3893, 83.5847, 87.3028

Rectangle

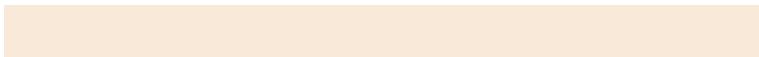
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1397, 83.5847, 106.6228



82.6000, 83.5847, 103.9705



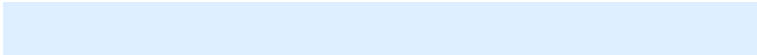
80.7643, 83.5847, 77.0001



76.3709, 83.5847, 79.1731

Sweetspot

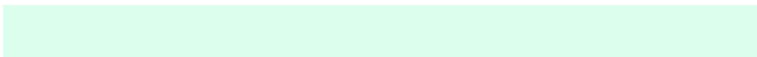
The Sweet Spot groups the original color and five complimentary colors.



78.1419, 83.5881, 106.6233



89.8366, 94.9969, 108.2091



80.5499, 92.8456, 93.7334



19.0246, 20.1362, 23.1339



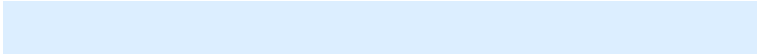
0.0000, 0.0000, 0.0000



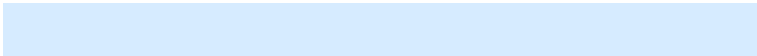
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1419, 83.5881, 106.6233



75.6020, 81.0704, 106.2712



73.3130, 73.9303, 105.0137



17.7758, 18.9232, 22.9656



13.8348, 12.5792, 51.1334



1.4564, 1.4436, 5.0151

Inverse Universe

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



82.2672, 78.6209, 91.7323



80.3597, 75.4634, 89.0699



89.7328, 97.5758, 81.8163



18.3995, 18.1431, 20.7208



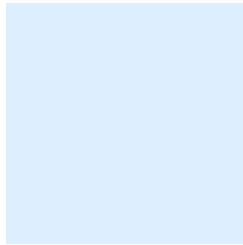
23.7714, 11.9978, 12.7124



2.3698, 1.1903, 1.5285

Previews

White Background



This preview shows how the XYZ color 78.1397, 83.5847, 106.6228 looks on a white background.

Color Contrast Check

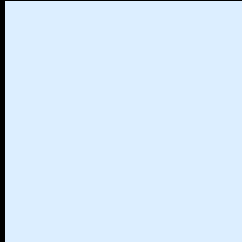
Large Text (above 18pt) WCAG AA × Fail

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 78.1397, 83.5847, 106.6228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

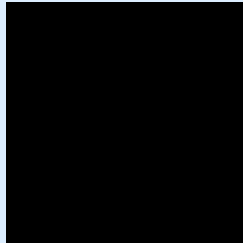
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

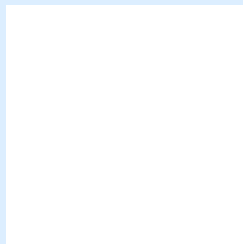
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1397, 83.5847, 106.6228

Background



This preview shows how black text looks on a background with the XYZ color 78.1397, 83.5847, 106.6228.



This preview shows how white text looks on a background with the XYZ color 78.1397, 83.5847,

106.6228.

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

78.1397, 83.5847, 106.6228

Protanopia

81.2545, 83.5361, 103.9370

Deuteranopia

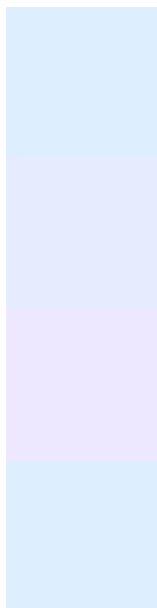
84.4271, 83.0328, 106.1849



Tritanopia

78.7487, 83.8987, 106.6513

Trichromacy



Original Color

78.1397, 83.5847, 106.6228

Protanomaly

80.0711, 83.3315, 104.7929

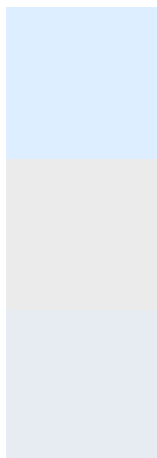
Deuteranomaly

81.8317, 82.9378, 106.3033

Tritanomaly

78.4433, 83.7412, 106.6370

Monochromacy



Original Color

78.1397, 83.5847, 106.6228

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6556, 83.2247, 95.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1397, 83.5847, 106.6228 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(220, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 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(220, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.1397, 83.5847, 106.6228 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(220, 238, 255) }
```


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

```
.border{ border-color:rgb(220, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1397, 83.5847, 106.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 255) }
```

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

```
.background{ background-color: rgb(220,  
238, 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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