

Converting Colors

XYZ(82.3610, 100.0000,
135.1140)

Have a look what the booklet for
XYZ(82.3610, 100.0000, 135.1140)
contains.

XYZ(72.6324, 88.4433, 107.8509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.6324, 88.4433,
107.8509)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFFF
RGB	180, 255, 255
RGB Percent	71%, 100%, 100%
CMY	0.2941, 0.0000, 0.0000
CMYK	0.29, 0.00, 0.00, 0.00
HSL	180°, 100%, 85%
HSV	180°, 29%, 100%
XYZ	72.6324, 88.4433, 107.8509
YIQ	232.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

Format	Color
R _Y B	180, 218, 255
Decimal	11862015
CIE Lab	95.35, -22.82, -7.39
CIE LCh	95, 23.987, 197.938
Yxy	88.4433, 0.2701, 0.3289
Android (android.graphics.Color)	4290052095 (0xFFB4FFFF)
YUV	232.5750, 11.0555, -46.1083
Hunter-Lab	94.0443, -26.7182, -2.1633

Details

The XYZ color **72.6324, 88.4433, 107.8509** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8005, 57.1993, 50.7544**, and the grayscale version is **77.0762, 81.0902, 88.3072**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **38.6993, 48.7505, 60.7962** is the 20% darker color. If you saturate the color by 10%, you get **67.2325, 85.6595, 107.5982**, and if you desaturate by 10%, it is **79.1260, 91.7909, 108.1548**.

Distribution



- Red (71%)
- Green (100%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6324, 88.4433, 107.8509 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 72.6324, 88.4433, 107.8509 by changing the saturation by 10% instead.


 72.6324, 88.4433,
107.8509

 72.6324, 88.4433,
107.8509


458.8633,
522.9539, 606.5411

 53.9627, 66.6903,
82.2198

 121.9612,
145.1742, 174.0506

 38.8024, 48.8330,
61.0099


153.3510,
180.9208, 215.4564

 26.7861, 34.4870,
43.8025


189.7115,
222.1007, 262.9574

 17.5484, 23.2680,
30.1792

231.4082,
269.0983, 316.9723

 10.7240, 14.7915,
19.7215

278.8064,
322.2981, 377.9196

 5.9475, 8.6732,
12.0107

332.2714,

 2.8535, 4.5286,

382.0843, 446.2178

6.6283

392.1686,
448.8414, 522.2854

■ 1.0768, 1.9734,
3.1559

■ 0.0056, 0.5920,
1.1748

■ 72.6324, 88.4433,
107.8509

■ 72.6324, 88.4433,
107.8509

■ 67.2325, 85.6595,
107.5982

■ 79.1260, 91.7909,
108.1548

■ 62.8638, 83.4074,
107.3937

■ 86.7661, 95.7295,
108.5123

■ 59.4614, 81.6534,
107.2345

95.0500, 100.0000,
108.9000

■ 56.9522, 80.3598,
107.1171

■ 55.2522, 79.4835,
107.0375

■ 54.2621, 78.9731,
106.9912

■ 53.8288, 78.7497,
106.9709

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



72.3294, 88.4433, 88.9520



72.6324, 88.4433, 107.8509



75.8984, 88.4433, 125.6623

Triad

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



72.6324, 88.4433, 107.8509



93.7719, 88.4433, 122.5631



86.7241, 88.4433, 65.1369

Complementary

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



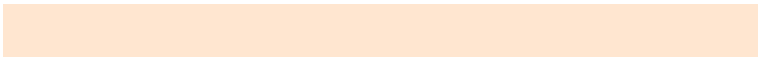
72.6324, 88.4433, 107.8509



65.8005, 57.1993, 50.7544

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.



92.7925, 88.4433, 71.9093



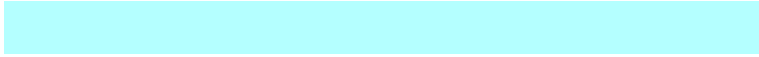
72.6324, 88.4433, 107.8509



97.0009, 88.4433, 104.0414

Square

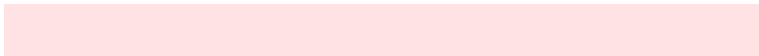
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6324, 88.4433, 107.8509



88.0048, 88.4433, 134.8866



96.6334, 88.4433, 85.6042



80.2401, 88.4433, 65.8778

Rectangle

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



72.6324, 88.4433, 107.8509



79.4169, 88.4433, 133.7776



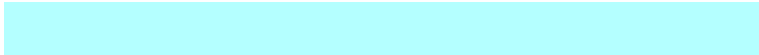
96.6334, 88.4433, 85.6042



88.8863, 88.4433, 66.5698

Sweetspot

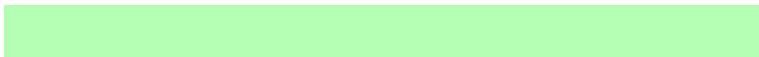
The Sweet Spot groups the original color and five complimentary colors.



72.6332, 88.4437, 107.8509



87.1049, 95.9042, 108.5282



62.8218, 84.5191, 56.1846



18.3889, 20.3959, 23.2176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

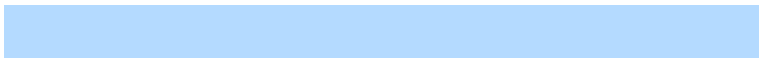
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6332, 88.4437, 107.8509



69.4835, 86.8200, 107.7035



61.8156, 66.8085, 104.2450



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



75.6120, 61.1239, 102.4207



72.8808, 55.6616, 101.5103



74.4210, 74.4402, 53.6279



18.7928, 18.3004, 22.7918



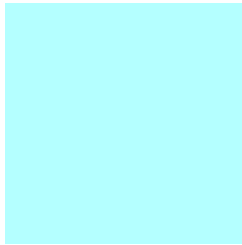
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 72.6324, 88.4433, 107.8509 looks on a white background.

Color Contrast Check

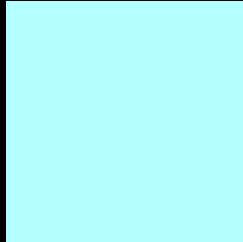
Large Text (above 18pt) WCAG AA × Fail

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 72.6324, 88.4433, 107.8509 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 72.6324, 88.4433, 107.8509

Background



This preview shows how black text looks on a background with the XYZ color 72.6324, 88.4433, 107.8509.

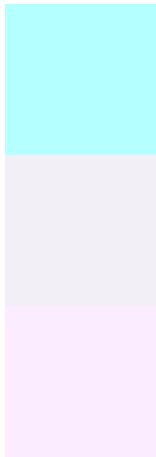


This preview shows how white text looks on a background with the XYZ color 72.6324, 88.4433,

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

72.6324, 88.4433, 107.8509

Protanopia

84.4632, 87.4415, 99.6150

Deuteranopia

88.1903, 87.9064, 106.9272



Tritanopia

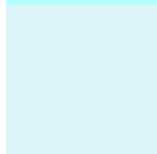
80.2192, 88.1916, 107.4024

Trichromacy



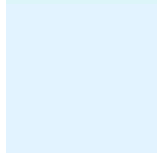
Original Color

72.6324, 88.4433, 107.8509



Protanomaly

79.2665, 87.3600, 102.3069



Deuteranomaly

81.4646, 87.4899, 107.2013



Tritanomaly

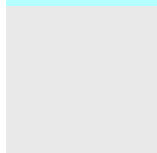
77.1025, 87.9505, 107.5202

Monochromacy



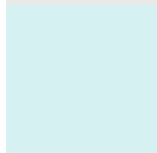
Original Color

72.6324, 88.4433, 107.8509



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.0640, 83.5576, 95.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6324, 88.4433, 107.8509 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(180, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 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(180, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.6324, 88.4433, 107.8509 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(180, 255, 255) }
```


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

```
.border{ border-color:rgb(180, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6324, 88.4433, 107.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 255) }
```

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

```
.background{ background-color: rgb(180,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor