

Converting Colors

XYZ(68.4598, 73.2933,
106.9725)

Have a look what the booklet for
XYZ(68.4598, 73.2933, 106.9725)
contains.

XYZ(68.0012, 72.9407, 105.1027)	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(68.0012, 72.9407,
105.1027)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E1FF
RGB	197, 225, 255
RGB Percent	77%, 88%, 100%
CMY	0.2274, 0.1176, 0.0000
CMYK	0.23, 0.12, 0.00, 0.00
HSL	211°, 100%, 89%
HSV	211°, 23%, 100%
XYZ	68.0012, 72.9407, 105.1027
YIQ	220.0480, -26.3180, 3.3940

Conversions

Conversions Part 2

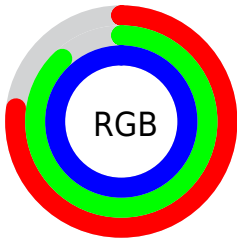
Format	Color
RYB	197, 216, 255
Decimal	12968447
CIELab	88.42, -2.89, -17.62
CIELCh	88, 17.860, 260.689
Yxy	72.9407, 0.2764, 0.2965
Android (android.graphics.Color)	4291158527 (0xFFC5E1FF)
YUV	220.0480, 17.2313, -20.2131
Hunter-Lab	85.4053, -7.3345, -13.1806

Details

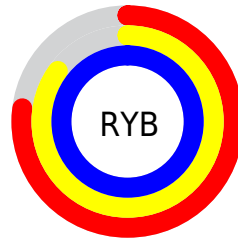
The XYZ color **68.0012, 72.9407, 105.1027** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.7871, 80.2288, 64.1584**, and the grayscale version is **67.9594, 71.4986, 77.8620**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **35.7231, 38.5775, 58.9895** is the 20% darker color. If you saturate the color by 10%, you get **58.4519, 62.9296, 103.6736**, and if you desaturate by 10%, it is **78.9593, 84.0906, 106.6773**.

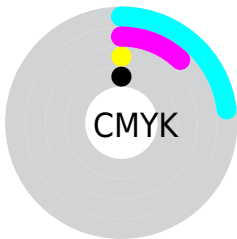
Distribution



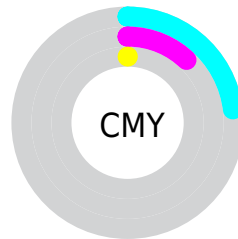
- Red (77%)
- Green (88%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0012, 72.9407, 105.1027 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 68.0012, 72.9407, 105.1027 by changing the saturation by 10% instead.

■ 68.0012, 72.9407,
105.1027

■ 68.0012, 72.9407,
105.1027

442.8769,
470.8093, 597.8173

■ 50.1724, 53.9275,
79.9283

115.3958,
123.3930, 170.2648

■ 35.7688, 38.5437,
59.1335

145.6922,
155.6009, 211.0895

■ 24.4249, 26.4049,
42.2999

180.8753,
192.9758, 257.9680

■ 15.7756, 17.1268,
29.0089

221.3103,
235.9021, 311.3190

■ 9.4553, 10.3249,
18.8419

267.3626,
284.7642, 371.5608

■ 5.0988, 5.6149,
11.3804

319.3976,

■ 2.3407, 2.6124,

339.9465, 439.1121

6.2059

377.7806,
401.8334, 514.3914

■ 0.8154, 0.9329,
2.8999

■ 0.0000, 0.0000,
1.0438

■ 68.0012, 72.9407,
105.1027

■ 68.0012, 72.9407,
105.1027

■ 58.4519, 62.9296,
103.6736

■ 78.9593, 84.0906,
106.6773

■ 50.2425, 54.0069,
102.3841

■ 91.3789, 96.4099,
108.4005

■ 43.3067, 46.1311,
101.2294

■ 95.0500, 100.0000,
108.9000

■ 37.5699, 39.2536,
100.2043

■ 32.9489, 33.3214,
99.3028

■ 29.3483, 28.2744,
98.5184

■ 26.6535, 24.0425,
97.8436

■ 25.1473, 21.4146,
97.4158

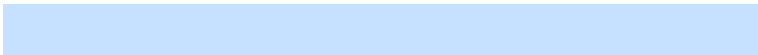
Harmonies

Analogous

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



64.2297, 72.9407, 99.1473



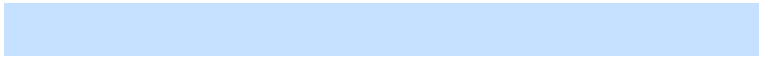
68.0012, 72.9407, 105.1027



72.2848, 72.9407, 103.6476

Triad

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



68.0012, 72.9407, 105.1027



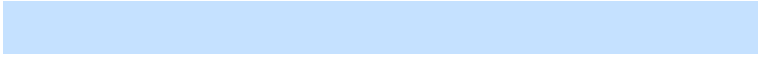
77.3390, 72.9407, 71.3587



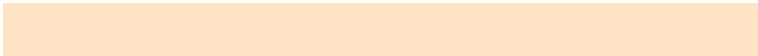
63.1364, 72.9407, 65.3672

Complementary

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



68.0012, 72.9407, 105.1027



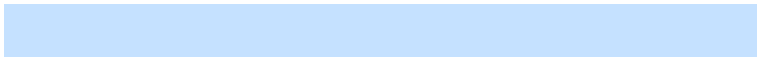
78.7871, 80.2288, 64.1584

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.



66.4529, 72.9407, 59.2967



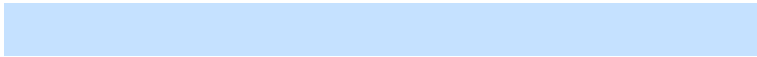
68.0012, 72.9407, 105.1027



74.6891, 72.9407, 62.5001

Square

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



68.0012, 72.9407, 105.1027



77.7954, 72.9407, 83.3059



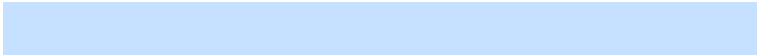
70.6718, 72.9407, 58.3042



61.4984, 72.9407, 75.6569

Rectangle

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



68.0012, 72.9407, 105.1027



74.8490, 72.9407, 98.7244



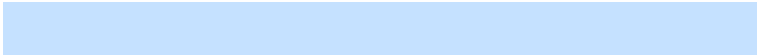
70.6718, 72.9407, 58.3042



64.0853, 72.9407, 62.8120

Sweetspot

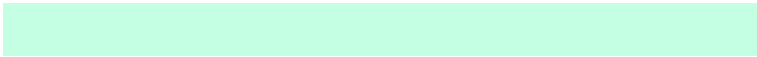
The Sweet Spot groups the original color and five complimentary colors.



68.0032, 72.9436, 105.1031



85.9104, 91.0209, 107.6486



72.6475, 88.9350, 85.9873



18.2271, 19.3224, 23.0189



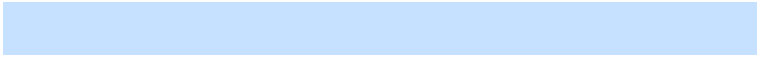
0.0000, 0.0000, 0.0000



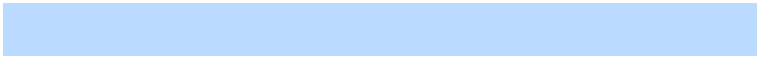
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0032, 72.9436, 105.1031



63.7699, 68.5453, 104.4773



61.2977, 59.1556, 102.7952



17.7268, 18.8251, 22.9493



13.2879, 11.4854, 50.9511



1.4025, 1.3358, 4.9972

Inverse Universe

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



74.7982, 66.6304, 80.1560



71.6683, 61.5762, 75.3963



86.7237, 96.6285, 66.9056



18.3747, 18.1332, 20.5905



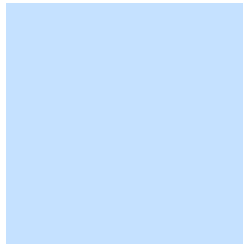
23.4953, 11.8874, 11.2587



2.3425, 1.1794, 1.3853

Previews

White Background



This preview shows how the XYZ color 68.0012, 72.9407, 105.1027 looks on a white background.

Color Contrast Check

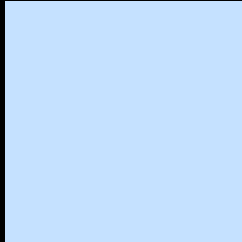
Large Text (above 18pt) WCAG AA × Fail

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 68.0012, 72.9407, 105.1027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

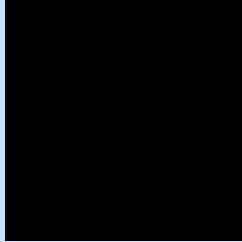
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

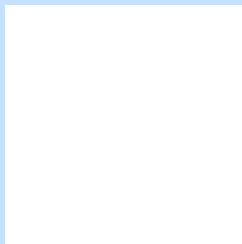
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0012, 72.9407, 105.1027

Background



This preview shows how black text looks on a background with the XYZ color 68.0012, 72.9407, 105.1027.



This preview shows how white text looks on a background with the XYZ color 68.0012, 72.9407,

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

68.0012, 72.9407, 105.1027

Protanopia

71.4828, 72.8136, 102.3823

Deuteranopia

73.9699, 72.5005, 104.7031



Tritanopia

66.4562, 73.1328, 96.9996

Trichromacy



Original Color

68.0012, 72.9407, 105.1027

Protanomaly

70.1454, 72.8897, 103.3006

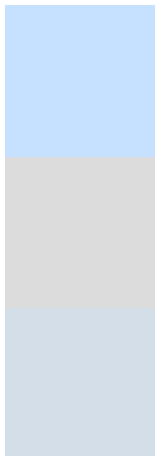
Deuteranomaly

71.4058, 72.3301, 104.8054

Tritanomaly

67.0602, 72.9680, 100.1723

Monochromacy



Original Color

68.0012, 72.9407, 105.1027

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.9806, 72.1228, 87.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0012, 72.9407, 105.1027 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(197, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 225, 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(197, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0012, 72.9407, 105.1027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

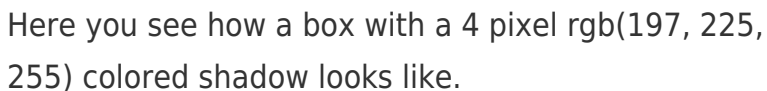
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 225, 255) }
```


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

```
.border{ border-color:rgb(197, 225, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 225, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 225, 255); box-shadow:4px 4px 4px 4px rgb(197, 225, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0012, 72.9407, 105.1027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 225, 255) }
```

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

```
.background{ background-color: rgb(197,  
225, 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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