

Converting Colors

XYZ(62.1668, 67.3649,
162.7406)

Have a look what the booklet for
XYZ(62.1668, 67.3649, 162.7406)
contains.

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Color

**XYZ(51.1107, 63.0400,
104.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	72DEFF
RGB	114, 222, 255
RGB Percent	45%, 87%, 100%
CMY	0.5529, 0.1294, 0.0000
CMYK	0.55, 0.13, 0.00, 0.00
HSL	194°, 100%, 72%
HSV	194°, 55%, 100%
XYZ	51.1107, 63.0400, 104.0819
YIQ	193.4700, -74.9610, -12.6330

Conversions

Conversions Part 2

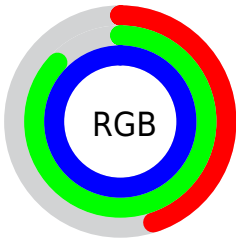
Format	Color
RYB	114, 175, 255
Decimal	7528191
CIELab	83.46, -22.13, -25.53
CIELCh	83, 33.783, 229.081
Yxy	63.0400, 0.2342, 0.2889
Android (android.graphics.Color)	4285718271 (0xFF72DEFF)
YUV	193.4700, 30.3343, -69.6952
Hunter-Lab	79.3977, -24.0402, -22.1444

Details

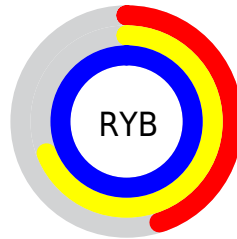
The XYZ color **51.1107, 63.0400, 104.0819** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.7118, 43.3434, 21.4040**, and the grayscale version is **50.8256, 53.4724, 58.2315**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **25.0505, 32.2501, 58.3307** is the 20% darker color. If you saturate the color by 10%, you get **46.6877, 58.4496, 103.4289**, and if you desaturate by 10%, it is **56.5177, 68.2237, 104.7974**.

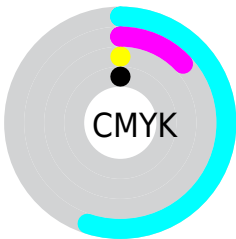
Distribution



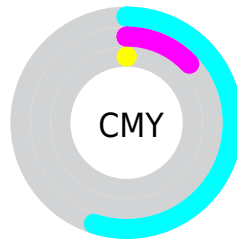
- Red (45%)
- Green (87%)
- Blue (100%)



- Red (45%)
- Yellow (69%)
- Blue (100%)



- Cyan (55%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1107, 63.0400, 104.0819 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 51.1107, 63.0400, 104.0819 by changing the saturation by 10% instead.

51.1107, 63.0400,
104.0819

51.1107, 63.0400,
104.0819

381.3743,
435.7146, 594.5599

36.5181, 45.8736,
79.0780

91.0004, 109.2272,
168.8560

25.0066, 32.1461,
58.4383

117.0282,
139.0168, 209.4634

16.2107, 21.4731,
41.7441

147.5985,
173.7829, 256.1091

9.7652, 13.4703,
28.5769

183.0766,
213.9099, 309.2115

5.3046, 7.7532,
18.5181

223.8279,
259.7821, 369.1892

2.4637, 3.9374,
11.1494

270.2177,

0.8770, 1.6386,

311.7841, 436.4609

6.0519

322.6114,
370.3001, 511.4449

■ 0.0000, 0.3834,
2.8074

■ 0.0000, 0.0000,
0.9971

■ 51.1107, 63.0400,
104.0819

■ 51.1107, 63.0400,
104.0819

■ 46.6877, 58.4496,
103.4289

■ 56.5177, 68.2237,
104.7974

■ 43.1637, 54.4038,
102.8338

■ 62.9739, 74.0309,
105.5781

■ 40.4480, 50.8562,
102.2921

■ 70.5446, 80.4977,
106.4273

■ 38.4261, 47.7470,
101.7986

■ 79.2884, 87.6551,
107.3479

■ 37.6375, 46.3950,
101.5792

■ 89.2597, 95.5317,
108.3427

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



47.5036, 63.0400, 82.7731



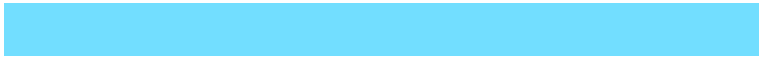
51.1107, 63.0400, 104.0819



57.2744, 63.0400, 116.6723

Triad

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



51.1107, 63.0400, 104.0819



74.9293, 63.0400, 76.6142



55.4055, 63.0400, 36.9974

Complementary

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



51.1107, 63.0400, 104.0819



54.7118, 43.3434, 21.4040

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.



62.6409, 63.0400, 36.0165



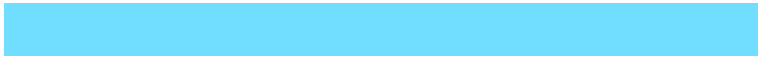
51.1107, 63.0400, 104.0819



74.3253, 63.0400, 56.2145

Square

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



51.1107, 63.0400, 104.0819



71.2706, 63.0400, 98.7858



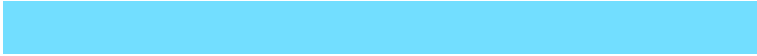
69.6822, 63.0400, 42.3236



49.8392, 63.0400, 45.3506

Rectangle

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



51.1107, 63.0400, 104.0819



62.1811, 63.0400, 116.9945



69.6822, 63.0400, 42.3236



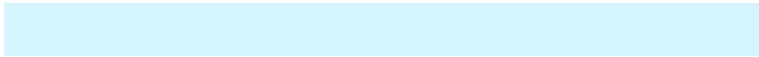
57.7098, 63.0400, 35.8697

Sweetspot

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



51.1125, 63.0423, 104.0822



77.7091, 86.3821, 107.1855



47.9593, 77.2015, 39.9384



16.2452, 18.1746, 22.9018



0.0000, 0.0000, 0.0000



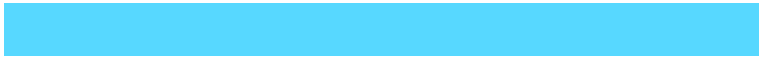
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1125, 63.0423, 104.0822



46.4094, 58.1455, 103.3849



36.1545, 33.1262, 99.0962



18.1733, 19.7183, 23.0981



19.7864, 24.4824, 53.1173



2.0096, 2.5498, 5.1995

Inverse Universe

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



60.4433, 38.5702, 73.3688



56.9686, 32.9658, 68.0642



69.1942, 72.3081, 26.2315



18.6001, 18.2234, 21.7775



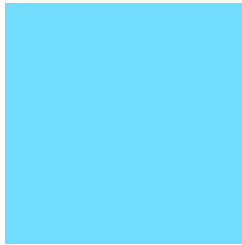
26.7755, 13.1995, 28.5318



2.6489, 1.3019, 2.9987

Previews

White Background



This preview shows how the XYZ color 51.1107, 63.0400, 104.0819 looks on a white background.

Color Contrast Check

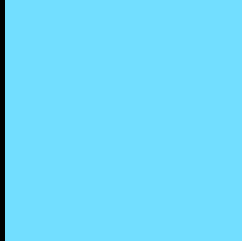
Large Text (above 18pt) WCAG AA × Fail

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 51.1107, 63.0400, 104.0819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

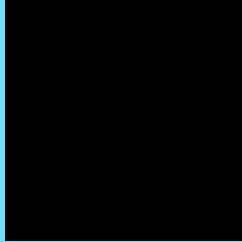
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1107, 63.0400, 104.0819

Background



This preview shows how black text looks on a background with the XYZ color 51.1107, 63.0400, 104.0819.

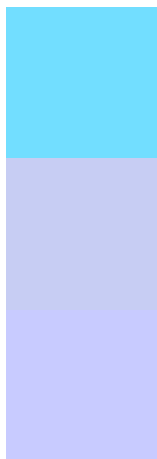


This preview shows how white text looks on a background with the XYZ color 51.1107, 63.0400,

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

51.1107, 63.0400, 104.0819

Protanopia

61.5622, 62.2758, 93.5698

Deuteranopia

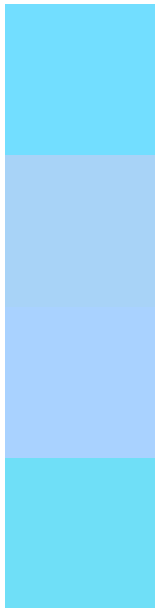
63.2254, 62.2112, 103.2834



Tritanopia

48.9893, 62.9733, 93.5775

Trichromacy



Original Color

51.1107, 63.0400, 104.0819

Protanomaly

56.2312, 61.6288, 96.9275

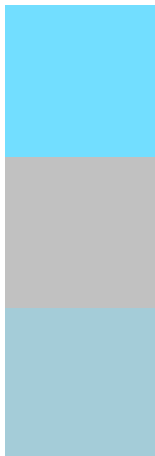
Deuteranomaly

57.4588, 61.7482, 103.4979

Tritanomaly

49.7317, 62.8703, 97.5097

Monochromacy



Original Color

51.1107, 63.0400, 104.0819

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.2974, 56.0361, 73.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1107, 63.0400, 104.0819 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(114, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 222, 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(114, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.1107, 63.0400, 104.0819 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(114, 222, 255) }
```


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

```
.border{ border-color:rgb(114, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1107, 63.0400, 104.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 222, 255) }
```

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

```
.background{ background-color: rgb(114,  
222, 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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