

Converting Colors

XYZ(62.7280, 68.7685,
162.9570)

Have a look what the booklet for
XYZ(62.7280, 68.7685, 162.9570)
contains.

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Color

**XYZ(51.6573, 64.5152,
104.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	70E1FF
RGB	112, 225, 255
RGB Percent	44%, 88%, 100%
CMY	0.5608, 0.1176, 0.0000
CMYK	0.56, 0.12, 0.00, 0.00
HSL	193°, 100%, 72%
HSV	193°, 56%, 100%
XYZ	51.6573, 64.5152, 104.3378
YIQ	194.6330, -76.9780, -14.6260

Conversions

Conversions Part 2

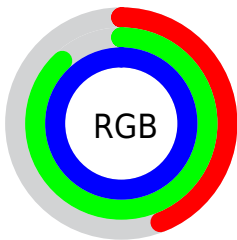
Format	Color
RYB	112, 175, 255
Decimal	7397887
CIELab	84.23, -24.00, -24.36
CIELCh	84, 34.199, 225.426
Yxy	64.5152, 0.2343, 0.2926
Android (android.graphics.Color)	4285587967 (0xFF70E1FF)
YUV	194.6330, 29.7609, -72.4691
Hunter-Lab	80.3214, -25.7632, -20.7930

Details

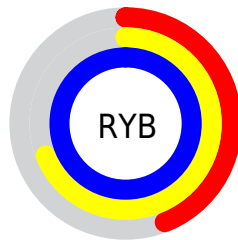
The XYZ color **51.6573, 64.5152, 104.3378** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.8385, 41.7770, 20.5574**, and the grayscale version is **51.5169, 54.1998, 59.0236**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **25.4045, 33.2580, 58.5066** is the 20% darker color. If you saturate the color by 10%, you get **47.4371, 60.2277, 103.7326**, and if you desaturate by 10%, it is **56.8449, 69.3715, 105.0017**.

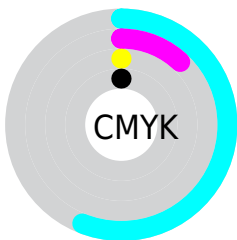
Distribution



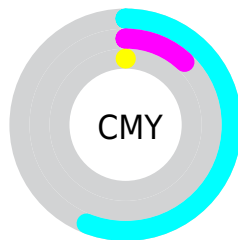
- Red (44%)
- Green (88%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6573, 64.5152, 104.3378 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 51.6573, 64.5152, 104.3378 by changing the saturation by 10% instead.

51.6573, 64.5152,
104.3378

51.6573, 64.5152,
104.3378

383.4579,
441.0478, 595.3774

36.9552, 47.0681,
79.2911

91.8029, 111.3526,
169.2093

25.3463, 33.0895,
58.6125

117.9770,
141.5116, 209.8713

16.4653, 22.1950,
41.8833

148.7058,
176.6768, 256.5754

9.9470, 14.0003,
28.6850

184.3547,
217.2324, 309.7402

5.4258, 8.1208,
18.5991

225.2890,
263.5629, 369.7843

2.5365, 4.1724,
11.2071

271.8740,

0.9137, 1.7704,

316.0527, 437.1261

6.0904

324.4752,
375.0862, 512.1843

■ 0.0000, 0.4687,
2.8305

■ 0.0000, 0.0000,
1.0087

■ 51.6573, 64.5152,
104.3378

■ 51.6573, 64.5152,
104.3378

■ 47.4371, 60.2277,
103.7326

■ 56.8449, 69.3715,
105.0017

■ 44.0987, 56.4600,
103.1814

■ 63.0654, 74.8267,
105.7268

■ 41.5500, 53.1654,
102.6798

■ 70.3846, 80.9169,
106.5166

■ 39.6747, 50.2834,
102.2223

■ 78.8613, 87.6727,
107.3738

■ 39.0551, 49.2302,
102.0517

■ 88.5499, 95.1229,
108.3012

95.0500, 100.0000,
108.9000

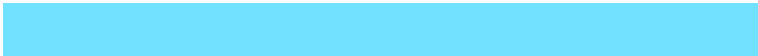
Harmonies

Analogous

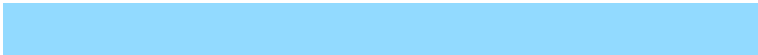
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3266, 64.5152, 81.9332



51.6573, 64.5152, 104.3378



57.7282, 64.5152, 118.8312

Triad

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



51.6573, 64.5152, 104.3378



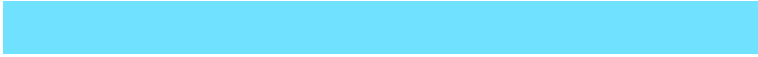
76.5200, 64.5152, 81.2709



57.5274, 64.5152, 37.2264

Complementary

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



51.6573, 64.5152, 104.3378



53.8385, 41.7770, 20.5574

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.



65.0573, 64.5152, 37.1213



51.6573, 64.5152, 104.3378



76.4551, 64.5152, 59.7268

Square

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



51.6573, 64.5152, 104.3378



72.2885, 64.5152, 103.7677



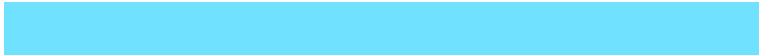
72.1177, 64.5152, 44.5299



51.5208, 64.5152, 44.8544

Rectangle

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



51.6573, 64.5152, 104.3378



62.7071, 64.5152, 120.4784



72.1177, 64.5152, 44.5299



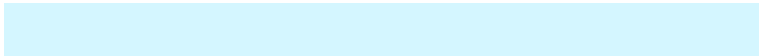
59.9530, 64.5152, 36.3715

Sweetspot

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



51.6591, 64.5175, 104.3381



78.0278, 87.0196, 107.2917



47.2214, 76.8766, 37.3955



16.3210, 18.3263, 22.9271



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.



51.6591, 64.5175, 104.3381



47.0928, 59.8582, 103.6795



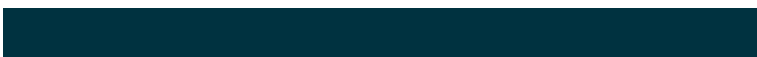
36.4385, 34.0762, 99.2646



18.2124, 19.7963, 23.1111



20.5191, 25.9478, 53.3615



2.0751, 2.6809, 5.2214

Inverse Universe

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



60.6260, 38.2863, 75.4313



57.2292, 32.7469, 70.4327



67.7340, 69.5680, 25.1892



18.6198, 18.2312, 21.8812



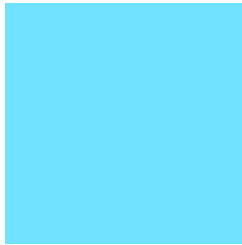
27.1453, 13.3474, 30.4793



2.6820, 1.3152, 3.1729

Previews

White Background



This preview shows how the XYZ color 51.6573, 64.5152, 104.3378 looks on a white background.

Color Contrast Check

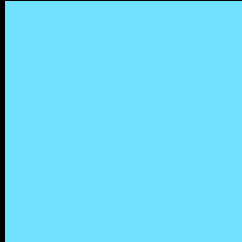
Large Text (above 18pt) WCAG AA × Fail

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 51.6573, 64.5152, 104.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

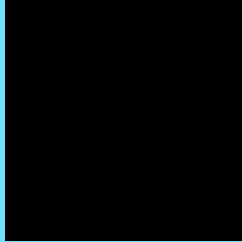
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6573, 64.5152, 104.3378

Background



This preview shows how black text looks on a background with the XYZ color 51.6573, 64.5152, 104.3378.

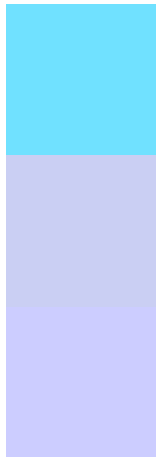


This preview shows how white text looks on a background with the XYZ color 51.6573, 64.5152,

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

51.6573, 64.5152, 104.3378

Protanopia

62.8476, 63.6533, 93.7679

Deuteranopia

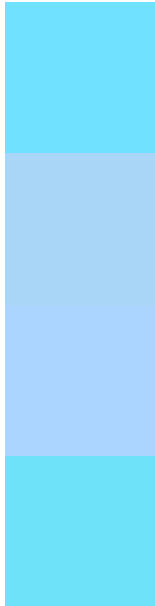
64.7832, 63.7200, 103.4925



Tritanopia

50.1349, 64.7189, 96.2358

Trichromacy



Original Color

51.6573, 64.5152, 104.3378

Protanomaly

57.1973, 63.2436, 97.1883

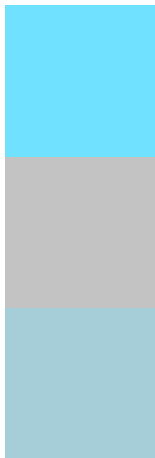
Deuteranomaly

58.3881, 62.9649, 103.6838

Tritanomaly

50.6019, 64.4835, 99.4021

Monochromacy



Original Color

51.6573, 64.5152, 104.3378

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.1127, 57.1517, 74.0358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6573, 64.5152, 104.3378 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(112, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6573, 64.5152, 104.3378 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(112, 225, 255) }
```


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

```
.border{ border-color:rgb(112, 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(112, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6573, 64.5152, 104.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 225, 255) }
```

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

```
.background{ background-color: rgb(112,  
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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