

Converting Colors

XYZ(51.8019, 64.9922,
104.4222)

Have a look what the booklet for
XYZ(51.8019, 64.9922, 104.4222)
contains.

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Color

**XYZ(51.8019, 64.9922,
104.4222)**

Conversions

Conversions Part 1

Format	Color
Hex	6FE2FF
RGB	111, 226, 255
RGB Percent	44%, 89%, 100%
CMY	0.5647, 0.1137, 0.0000
CMYK	0.56, 0.11, 0.00, 0.00
HSL	192°, 100%, 72%
HSV	192°, 56%, 100%
XYZ	51.8019, 64.9922, 104.4222
YIQ	194.9210, -77.8490, -15.3610

Conversions

Conversions Part 2

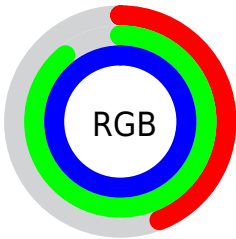
Format	Color
RYB	111, 175, 255
Decimal	7332607
CIELab	84.48, -24.68, -23.99
CIElCh	84, 34.421, 224.183
Yxy	64.9922, 0.2342, 0.2938
Android (android.graphics.Color)	4285522687 (0xFF6FE2FF)
YUV	194.9210, 29.6189, -73.5987
Hunter-Lab	80.6177, -26.3837, -20.3645

Details

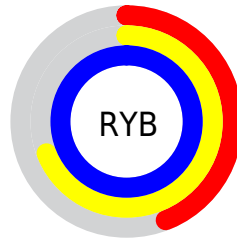
The XYZ color **51.8019, 64.9922, 104.4222** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.4883, 41.1652, 20.1676**, and the grayscale version is **51.6892, 54.3810, 59.2209**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **25.3307, 33.2200, 58.5031** is the 20% darker color. If you saturate the color by 10%, you get **47.6642, 60.8185, 103.8347**, and if you desaturate by 10%, it is **56.9006, 69.7262, 105.0673**.

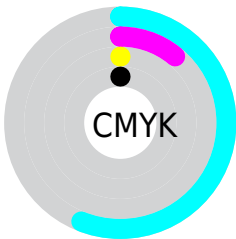
Distribution



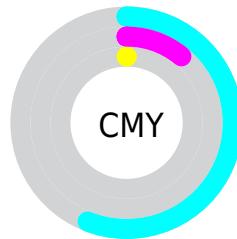
- Red (44%)
- Green (89%)
- Blue (100%)



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



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8019, 64.9922, 104.4222 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 51.8019, 64.9922, 104.4222 by changing the saturation by 10% instead.

51.8019, 64.9922,
104.4222

51.8019, 64.9922,
104.4222

384.0079,
442.7639, 595.6469

37.0708, 47.4548,
79.3614

92.0150, 112.0386,
169.3258

25.4363, 33.3953,
58.6699

118.2277,
142.3164, 210.0057

16.5328, 22.4294,
41.9292

148.9983,
177.6098, 256.7291

9.9952, 14.1728,
28.7207

184.6923,
218.3031, 309.9145

5.4580, 8.2409,
18.6259

225.6748,
264.7808, 369.9804

2.5559, 4.2495,
11.2262

272.3114,

0.9235, 1.8141,

317.4272, 437.3454

6.1031

324.9673,
376.6268, 512.4281

■ 0.0000, 0.4959,
2.8381

■ 0.0000, 0.0000,
1.0126

■ 51.8019, 64.9922,
104.4222

■ 51.8019, 64.9922,
104.4222

■ 47.6642, 60.8185,
103.8347

■ 56.9006, 69.7262,
105.0673

■ 44.4015, 57.1560,
103.2998

■ 63.0261, 75.0507,
105.7721

■ 41.9211, 53.9579,
102.8132

■ 70.2443, 81.0017,
106.5404

■ 40.1050, 51.1627,
102.3694

■ 78.6141, 87.6100,
107.3748

■ 39.5596, 50.2392,
102.2199

■ 88.1901, 94.9043,
108.2780

95.0500, 100.0000,
108.9000

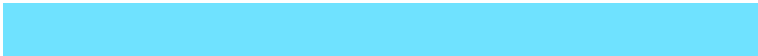
Harmonies

Analogous

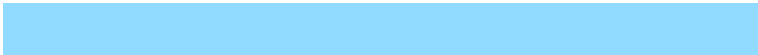
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5659, 64.9922, 81.6121



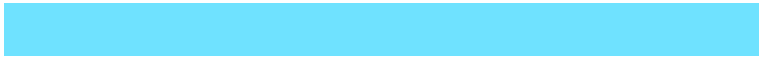
51.8019, 64.9922, 104.4222



57.8452, 64.9922, 119.6012

Triad

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



51.8019, 64.9922, 104.4222



77.0549, 64.9922, 82.8959



58.2342, 64.9922, 37.2426

Complementary

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



51.8019, 64.9922, 104.4222



53.4883, 41.1652, 20.1676

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.



65.8750, 64.9922, 37.4458



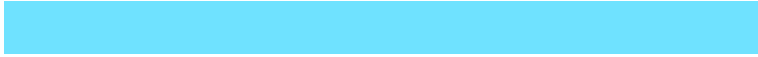
51.8019, 64.9922, 104.4222



77.1808, 64.9922, 60.9251

Square

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



51.8019, 64.9922, 104.4222



72.6171, 64.9922, 105.5279



72.9482, 64.9922, 45.2505



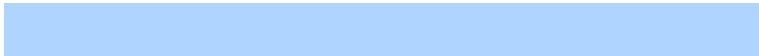
52.0663, 64.9922, 44.6225

Rectangle

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



51.8019, 64.9922, 104.4222



62.8538, 64.9922, 121.7201



72.9482, 64.9922, 45.2505



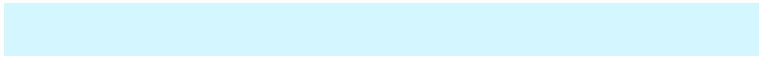
60.7049, 64.9922, 36.4829

Sweetspot

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



51.8037, 64.9945, 104.4226



78.1386, 87.2412, 107.3286



47.0358, 76.7877, 37.0784



16.3474, 18.3790, 22.9359



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.



51.8037, 64.9945, 104.4226



47.1096, 60.2251, 103.7494



36.1960, 33.7790, 99.2200



18.2259, 19.8234, 23.1156



20.7797, 26.4690, 53.4484



2.0983, 2.7273, 5.2291

Inverse Universe

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



60.6532, 38.1217, 76.1154



57.1563, 32.4061, 71.0093



67.6037, 69.3960, 24.8727



18.6267, 18.2340, 21.9172



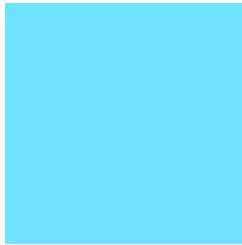
27.2768, 13.4000, 31.1720



2.6937, 1.3199, 3.2346

Previews

White Background



This preview shows how the XYZ color 51.8019, 64.9922, 104.4222 looks on a white background.

Color Contrast Check

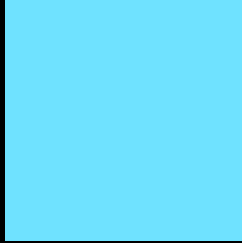
Large Text (above 18pt) WCAG AA × Fail

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 51.8019, 64.9922, 104.4222 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

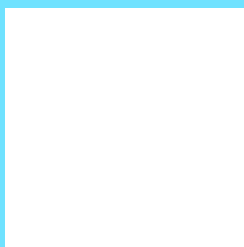
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8019, 64.9922, 104.4222

Background



This preview shows how black text looks on a background with the XYZ color 51.8019, 64.9922, 104.4222.



This preview shows how white text looks on a background with the XYZ color 51.8019, 64.9922,

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

51.8019, 64.9922, 104.4222

Protanopia

63.3621, 64.2793, 93.8616

Deuteranopia

65.2981, 64.3417, 103.5854



Tritanopia

50.4414, 65.2664, 97.1279

Trichromacy



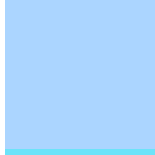
Original Color

51.8019, 64.9922, 104.4222



Protanomaly

57.6665, 63.8623, 97.2830



Deuteranomaly

58.6388, 63.4664, 103.7674



Tritanomaly

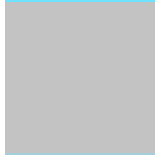
50.7523, 64.9659, 99.4873

Monochromacy



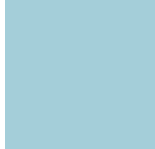
Original Color

51.8019, 64.9922, 104.4222



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.9055, 57.0449, 74.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8019, 64.9922, 104.4222 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(111, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 226, 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(111, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8019, 64.9922, 104.4222 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(111, 226, 255) }
```


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

```
.border{ border-color:rgb(111, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8019, 64.9922, 104.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 226, 255) }
```

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

```
.background{ background-color: rgb(111,  
226, 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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