

Converting Colors

XYZ(58.9579, 67.2967,
142.6329)

Have a look what the booklet for
XYZ(58.9579, 67.2967, 142.6329)
contains.

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Color

**XYZ(51.7853, 64.5811,
104.3438)**

Conversions

Conversions Part 1

Format	Color
Hex	71E1FF
RGB	113, 225, 255
RGB Percent	44%, 88%, 100%
CMY	0.5568, 0.1176, 0.0000
CMYK	0.56, 0.12, 0.00, 0.00
HSL	193°, 100%, 72%
HSV	193°, 56%, 100%
XYZ	51.7853, 64.5811, 104.3438
YIQ	194.9320, -76.3820, -14.4140

Conversions

Conversions Part 2

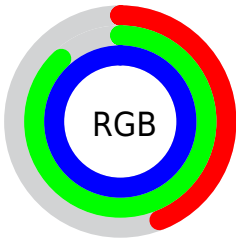
Format	Color
R_{YB}	113, 176, 255
Decimal	7463423
CIE _{Lab}	84.27, -23.81, -24.31
CIE _{LCh}	84, 34.027, 225.589
Yxy	64.5811, 0.2346, 0.2926
Android (android.graphics.Color)	4285653503 (0xFF71E1FF)
YUV	194.9320, 29.6135, -71.8544
Hunter-Lab	80.3624, -25.6092, -20.7294

Details

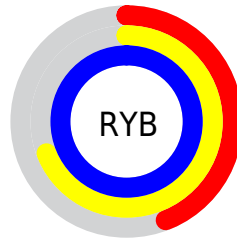
The XYZ color **51.7853, 64.5811, 104.3438** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **54.0441, 42.0986, 20.9024**, and the grayscale version is **51.6951, 54.3873, 59.2277**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **25.4822, 33.2981, 58.5102** is the 20% darker color. If you saturate the color by 10%, you get **47.5206, 60.2560, 103.7337**, and if you desaturate by 10%, it is **57.0210, 69.4778, 105.0130**.

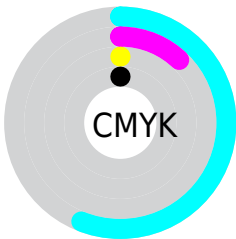
Distribution



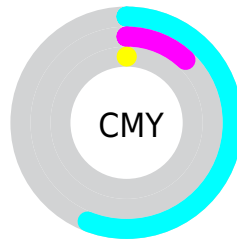
- Red (44%)
- Green (88%)
- Blue (100%)



- 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 51.7853, 64.5811, 104.3438 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 51.7853, 64.5811, 104.3438 by changing the saturation by 10% instead.

51.7853, 64.5811,
104.3438

51.7853, 64.5811,
104.3438

383.9448,
441.2851, 595.3965

37.0575, 47.1215,
79.2961

91.9906, 111.4474,
169.2176

25.4259, 33.1317,
58.6166

118.1989,
141.6229, 209.8808

16.5251, 22.2274,
41.8865

148.9648,
176.8057, 256.5863

9.9897, 14.0241,
28.6876

184.6535,
217.3804, 309.7526

5.4543, 8.1374,
18.6010

225.6305,
263.7313, 369.7982

2.5537, 4.1830,
11.2085

272.2612,

0.9224, 1.7764,

316.2428, 437.1417

6.0913

324.9108,
375.2993, 512.2016

■ 0.0000, 0.4724,
2.8310

■ 0.0000, 0.0000,
1.0090

■ 51.7853, 64.5811,
104.3438

■ 51.7853, 64.5811,
104.3438

■ 47.5206, 60.2560,
103.7337

■ 57.0210, 69.4778,
105.0130

■ 44.1417, 56.4536,
103.1779

■ 63.2928, 74.9761,
105.7437

■ 41.5572, 53.1278,
102.6721

■ 70.6664, 81.1118,
106.5394

■ 39.6517, 50.2184,
102.2110

■ 79.2003, 87.9157,
107.4029

■ 38.9669, 49.0539,
102.0223

■ 88.9488, 95.4163,
108.3368

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.



48.4498, 64.5811, 82.0765



51.7853, 64.5811, 104.3438



57.8443, 64.5811, 118.6863

Triad

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



51.7853, 64.5811, 104.3438



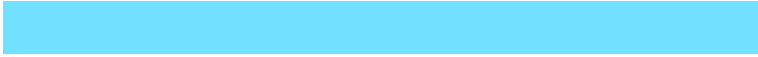
76.5223, 64.5811, 81.1662



57.5682, 64.5811, 37.4269

Complementary

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



51.7853, 64.5811, 104.3438



54.0441, 42.0986, 20.9024

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.



65.0619, 64.5811, 37.2821



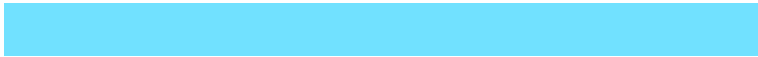
51.7853, 64.5811, 104.3438



76.4330, 64.5811, 59.7395

Square

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



51.7853, 64.5811, 104.3438



72.3323, 64.5811, 103.5608



72.0975, 64.5811, 44.6324



51.5974, 64.5811, 45.0795

Rectangle

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



51.7853, 64.5811, 104.3438



62.8052, 64.5811, 120.2656



72.0975, 64.5811, 44.6324



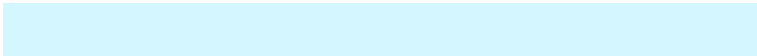
59.9813, 64.5811, 36.5602

Sweetspot

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



51.7871, 64.5834, 104.3441



78.0083, 86.9806, 107.2852



47.4090, 76.9664, 37.7153



16.3163, 18.3170, 22.9255



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.



51.7871, 64.5834, 104.3441



47.0269, 59.7263, 103.6575



36.6833, 34.3759, 99.3095



18.2100, 19.7916, 23.1103



20.4736, 25.8567, 53.3464



2.0710, 2.6728, 5.2200

Inverse Universe

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



60.7370, 38.5083, 75.4682



57.1959, 32.7335, 70.2573



67.8652, 69.7408, 25.5094



18.6186, 18.2308, 21.8749



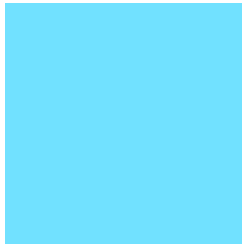
27.1223, 13.3382, 30.3582



2.6800, 1.3144, 3.1621

Previews

White Background



This preview shows how the XYZ color 51.7853, 64.5811, 104.3438 looks on a white background.

Color Contrast Check

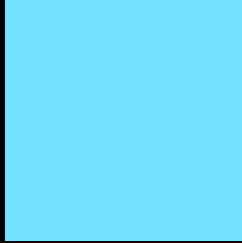
Large Text (above 18pt) WCAG AA × Fail

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 51.7853, 64.5811, 104.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

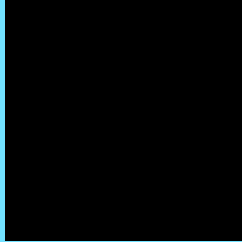
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7853, 64.5811, 104.3438

Background



This preview shows how black text looks on a background with the XYZ color 51.7853, 64.5811, 104.3438.

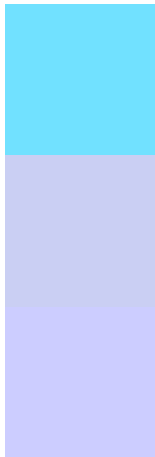


This preview shows how white text looks on a background with the XYZ color 51.7853, 64.5811,

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

51.7853, 64.5811, 104.3438

Protanopia

62.8476, 63.6533, 93.7679

Deuteranopia

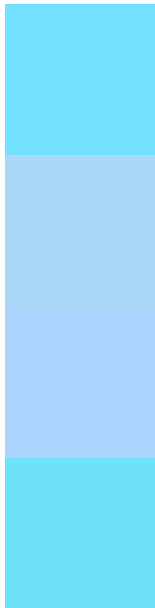
64.7832, 63.7200, 103.4925



Tritanopia

50.2572, 64.7820, 96.2415

Trichromacy



Original Color

51.7853, 64.5811, 104.3438

Protanomaly

57.4126, 63.3546, 97.1984

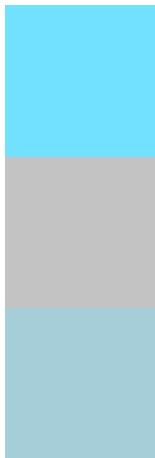
Deuteranomaly

58.3881, 62.9649, 103.6838

Tritanomaly

50.7256, 64.5473, 99.4079

Monochromacy



Original Color

51.7853, 64.5811, 104.3438

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 51.7853, 64.5811, 104.3438 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(113, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.7853, 64.5811, 104.3438 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(113, 225, 255) }
```


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

```
.border{ border-color:rgb(113, 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(113, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7853, 64.5811, 104.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 225, 255) }
```

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

```
.background{ background-color: rgb(113,  
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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