

Converting Colors

XYZ(63.4092, 68.7229,
167.5818)

Have a look what the booklet for
XYZ(63.4092, 68.7229, 167.5818)
contains.

XYZ(51.3877, 63.9761, 104.2479)	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(51.3877, 63.9761,
104.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	70E0FF
RGB	112, 224, 255
RGB Percent	44%, 88%, 100%
CMY	0.5608, 0.1216, 0.0000
CMYK	0.56, 0.12, 0.00, 0.00
HSL	193°, 100%, 72%
HSV	193°, 56%, 100%
XYZ	51.3877, 63.9761, 104.2479
YIQ	194.0460, -76.7030, -14.1030

Conversions

Conversions Part 2

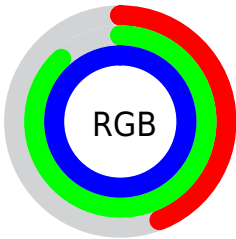
Format	Color
RYB	112, 175, 255
Decimal	7397631
CIELab	83.95, -23.51, -24.79
CIELCh	84, 34.161, 226.520
Yxy	63.9761, 0.2340, 0.2913
Android (android.graphics.Color)	4285587711 (0xFF70E0FF)
YUV	194.0460, 30.0503, -71.9543
Hunter-Lab	79.9851, -25.2936, -21.2856

Details

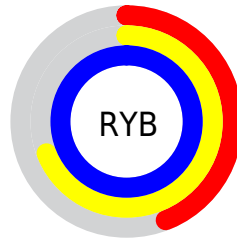
The XYZ color **51.3877, 63.9761, 104.2479** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.9879, 42.0758, 20.6071**, and the grayscale version is **51.1676, 53.8323, 58.6234**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **25.2177, 32.8845, 58.4443** is the 20% darker color. If you saturate the color by 10%, you get **47.1296, 59.6126, 103.6301**, and if you desaturate by 10%, it is **56.6163, 68.9143, 104.9255**.

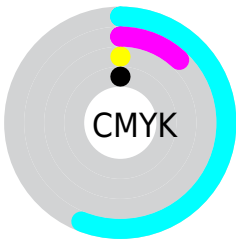
Distribution



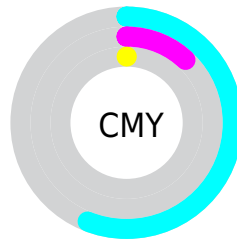
- Red (44%)
- Green (88%)
- Blue (100%)



- 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 51.3877, 63.9761, 104.2479 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 51.3877, 63.9761, 104.2479 by changing the saturation by 10% instead.

51.3877, 63.9761,
104.2479

51.3877, 63.9761,
104.2479

382.4311,
439.1033, 595.0903

36.7395, 46.6313,
79.2163

91.4072, 110.5765,
169.0852

25.1786, 32.7443,
58.5513

117.5092,
140.6009, 209.7280

16.3396, 21.9306,
41.8344

148.1599,
175.6207, 256.4116

9.8572, 13.8059,
28.6470

183.7247,
216.0202, 309.5545

5.3659, 7.9858,
18.5707

224.5688,
262.1838, 369.5753

2.5005, 4.0859,
11.1868

271.0577,

0.8955, 1.7217,

314.4959, 436.8925

6.0769

323.5567,
373.3410, 511.9246

■ 0.0000, 0.4377,
2.8223

■ 0.0000, 0.0000,
1.0047

■ 51.3877, 63.9761,
104.2479

■ 51.3877, 63.9761,
104.2479

■ 47.1296, 59.6126,
103.6301

■ 56.6163, 68.9143,
104.9255

■ 43.7561, 55.7749,
103.0672

■ 62.8807, 74.4575,
105.6653

■ 41.1754, 52.4161,
102.5549

■ 70.2470, 80.6418,
106.4707

■ 39.2707, 49.4756,
102.0877

■ 78.7739, 87.4980,
107.3447

■ 38.6405, 48.4009,
101.9135

■ 88.5157, 95.0548,
108.2899

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.



47.9677, 63.9761, 82.1146



51.3877, 63.9761, 104.2479



57.4976, 63.9761, 118.2063

Triad

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



51.3877, 63.9761, 104.2479



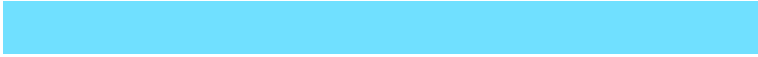
75.9855, 63.9761, 79.7684



56.7865, 63.9761, 37.0140

Complementary

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



51.3877, 63.9761, 104.2479



53.9879, 42.0758, 20.6071

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.



64.2417, 63.9761, 36.6421



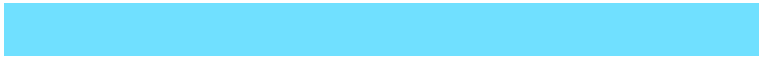
51.3877, 63.9761, 104.2479



75.7553, 63.9761, 58.5315

Square

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



51.3877, 63.9761, 104.2479



71.9182, 63.9761, 102.2279



71.3131, 63.9761, 43.7171



50.9042, 63.9761, 44.8661

Rectangle

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



51.3877, 63.9761, 104.2479



62.4646, 63.9761, 119.4530



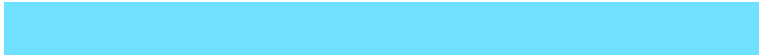
71.3131, 63.9761, 43.7171



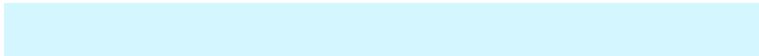
59.1797, 63.9761, 36.0760

Sweetspot

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



51.3895, 63.9784, 104.2483



77.9358, 86.8354, 107.2610



47.4000, 76.9480, 38.3362



16.2991, 18.2825, 22.9198



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.



51.3895, 63.9784, 104.2483



46.7820, 59.2365, 103.5759



36.0459, 33.2912, 99.1338



18.2011, 19.7738, 23.1074



20.3049, 25.5193, 53.2901



2.0560, 2.6426, 5.2150

Inverse Universe

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



60.4899, 38.2318, 74.7149



57.0723, 32.6841, 69.6064



68.3345, 70.7691, 25.3893



18.6142, 18.2290, 21.8513



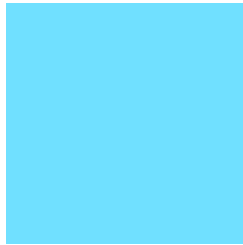
27.0372, 13.3042, 29.9098



2.6724, 1.3113, 3.1221

Previews

White Background



This preview shows how the XYZ color 51.3877, 63.9761, 104.2479 looks on a white background.

Color Contrast Check

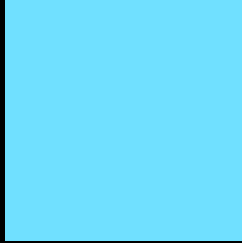
Large Text (above 18pt) WCAG AA × Fail

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 51.3877, 63.9761, 104.2479 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 51.3877, 63.9761, 104.2479

Background



This preview shows how black text looks on a background with the XYZ color 51.3877, 63.9761, 104.2479.

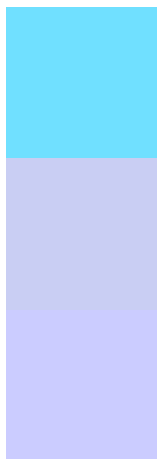


This preview shows how white text looks on a background with the XYZ color 51.3877, 63.9761,

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

51.3877, 63.9761, 104.2479

Protanopia

62.3364, 63.0312, 93.6748

Deuteranopia

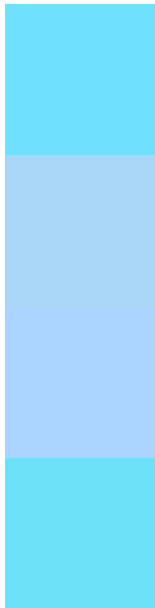
64.2715, 63.1022, 103.4002



Tritanopia

49.7098, 64.1125, 95.3429

Trichromacy



Original Color

51.3877, 63.9761, 104.2479

Protanomaly

56.9449, 62.7389, 97.1042

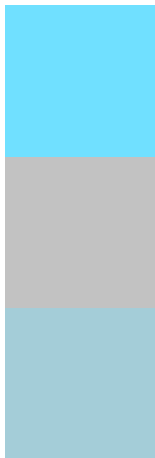
Deuteranomaly

57.9218, 62.3546, 103.5906

Tritanomaly

50.1752, 63.8789, 98.4923

Monochromacy



Original Color

51.3877, 63.9761, 104.2479

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.5358, 56.5130, 73.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3877, 63.9761, 104.2479 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3877, 63.9761, 104.2479 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, 224, 255) }
```


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

```
.border{ border-color:rgb(112, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3877, 63.9761, 104.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 224, 255) }
```

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

```
.background{ background-color: rgb(112,  
224, 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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