

Converting Colors

XYZ(51.5355, 64.0227,
100.3654)

Have a look what the booklet for
XYZ(51.5355, 64.0227, 100.3654)
contains.

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Color

**XYZ(51.5187, 64.1354,
100.1065)**

Conversions

Conversions Part 1

Format	Color
Hex	77E0FA
RGB	119, 224, 250
RGB Percent	47%, 88%, 98%
CMY	0.5333, 0.1216, 0.0196
CMYK	0.52, 0.10, 0.00, 0.02
HSL	192°, 93%, 72%
HSV	192°, 52%, 98%
XYZ	51.5187, 64.1354, 100.1065
YIQ	195.5690, -70.9260, -14.1740

Conversions

Conversions Part 2

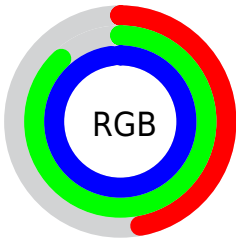
Format	Color
RYB	119, 177, 250
Decimal	7856378
CIELab	84.04, -23.52, -22.00
CIELCh	84, 32.203, 223.089
Yxy	64.1354, 0.2388, 0.2973
Android (android.graphics.Color)	4286046458 (0xFF77E0FA)
YUV	195.5690, 26.8345, -67.1510
Hunter-Lab	80.0846, -25.3183, -18.0539

Details

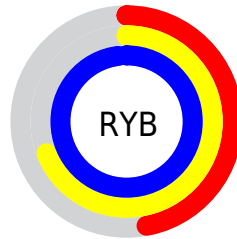
The XYZ color **51.5187, 64.1354, 100.1065** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.8809, 41.9082, 22.7566**, and the grayscale version is **52.0882, 54.8008, 59.6781**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **25.2818, 32.9831, 55.4860** is the 20% darker color. If you saturate the color by 10%, you get **47.2147, 59.9672, 99.5300**, and if you desaturate by 10%, it is **56.7679, 68.8514, 100.7413**.

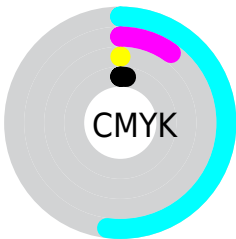
Distribution



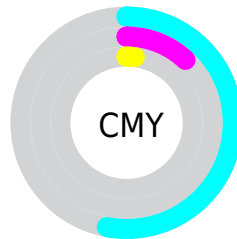
- Red (47%)
- Green (88%)
- Blue (98%)



- Red (47%)
- Yellow (69%)
- Blue (98%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (53%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5187, 64.1354, 100.1065 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 51.5187, 64.1354, 100.1065 by changing the saturation by 10% instead.

51.5187, 64.1354,
100.1065

51.5187, 64.1354,
100.1065

382.9302,
439.6784, 581.7837

36.8443, 46.7603,
75.7721

91.5995, 110.8059,
163.3567

25.2601, 32.8462,
55.7401

117.7366,
140.8702, 203.1095

16.4007, 22.0087,
39.5920

148.4253,
175.9329, 248.8390

9.9008, 13.8633,
26.9092

184.0309,
216.3786, 300.9635

5.3950, 8.0256,
17.2732

224.9189,
262.5916, 359.9017

2.5179, 4.1114,
10.2655

271.4545,

0.9043, 1.7360,

314.9563, 426.0721

5.4674

324.0032,
373.8571, 499.8933

■ 0.0000, 0.4468,
2.4605

■ 0.0000, 0.0000,
0.8191

■ 51.5187, 64.1354,
100.1065

■ 51.5187, 64.1354,
100.1065

■ 47.2147, 59.9672,
99.5300

■ 56.7679, 68.8514,
100.7413

■ 43.7771, 56.3015,
99.0036

■ 63.0210, 74.1419,
101.4329

■ 41.1241, 53.0971,
98.5249

■ 70.3391, 80.0401,
102.1856

■ 39.1544, 50.3012,
98.0891

■ 78.7765, 86.5744,
103.0022

■ 37.9992, 48.3895,
97.7810

■ 88.3835, 93.7715,
103.8850

■ 93.8654, 98.9020,
104.5864

■ 94.2555, 99.6822,
104.7164

Harmonies

Analogous

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



48.6000, 64.1354, 79.0707



51.5187, 64.1354, 100.1065



57.0716, 64.1354, 114.3394

Triad

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



51.5187, 64.1354, 100.1065



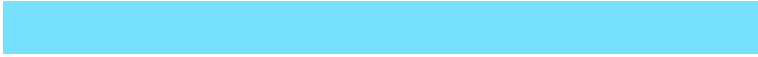
74.9820, 64.1354, 81.8395



57.9177, 64.1354, 38.2424

Complementary

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



51.5187, 64.1354, 100.1065



52.8809, 41.9082, 22.7566

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.



65.0185, 64.1354, 38.6960



51.5187, 64.1354, 100.1065



75.2529, 64.1354, 61.3435

Square

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



51.5187, 64.1354, 100.1065



70.7730, 64.1354, 102.4698



71.4868, 64.1354, 46.3749



52.0965, 64.1354, 44.9851

Rectangle

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



51.5187, 64.1354, 100.1065



61.6978, 64.1354, 116.6251



71.4868, 64.1354, 46.3749



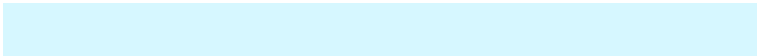
60.2257, 64.1354, 37.6038

Sweetspot

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



51.5207, 64.1378, 100.1080



79.0710, 88.0083, 107.4276



46.7542, 74.2783, 37.8682



16.5334, 18.5349, 22.9561



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.



51.5207, 64.1378, 100.1080



49.1210, 62.4561, 104.0740



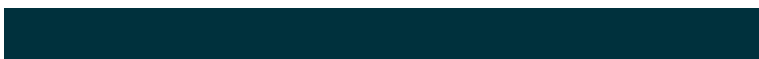
37.5196, 36.1356, 95.4410



17.4560, 18.9889, 22.1305



20.2597, 25.8749, 51.9001



1.9483, 2.5402, 4.8308

Inverse Universe

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



59.4774, 38.9013, 74.8975



58.6090, 34.6618, 73.4961



65.4377, 67.0218, 26.9422



17.8367, 17.4620, 20.9959



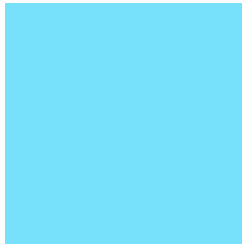
26.5182, 13.0230, 30.5007



2.4923, 1.2207, 3.0160

Previews

White Background



This preview shows how the XYZ color 51.5187, 64.1354, 100.1065 looks on a white background.

Color Contrast Check

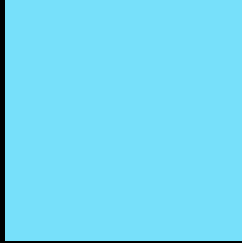
Large Text (above 18pt) WCAG AA × Fail

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 51.5187, 64.1354, 100.1065 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 51.5187, 64.1354, 100.1065

Background



This preview shows how black text looks on a background with the XYZ color 51.5187, 64.1354, 100.1065.



This preview shows how white text looks on a background with the XYZ color 51.5187, 64.1354,

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

51.5187, 64.1354, 100.1065

Protanopia

62.5214, 63.5542, 90.6333

Deuteranopia

64.9359, 63.4633, 102.5931



Tritanopia

50.4390, 64.1034, 94.5088

Trichromacy



Original Color

51.5187, 64.1354, 100.1065

Protanomaly

56.9852, 62.8302, 93.9180

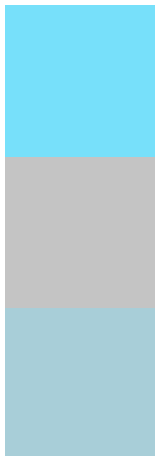
Deuteranomaly

58.4794, 62.6791, 101.9446

Tritanomaly

51.0310, 64.3558, 96.9211

Monochromacy



Original Color

51.5187, 64.1354, 100.1065

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.6144, 57.4253, 73.3823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5187, 64.1354, 100.1065 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(119, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(119, 224, 250)  
}
```

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(119, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 224, 250) }
```

Border

The CSS property to change the border of an element to XYZ 51.5187, 64.1354, 100.1065 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(119, 224, 250) }
```


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

```
.border{ border-color:rgb(119, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(119, 224,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5187, 64.1354, 100.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 224, 250) }
```

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

```
.background{ background-color: rgb(119,  
224, 250) }
```

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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