

Converting Colors

XYZ(52.8733, 66.0070,
103.2909)

Have a look what the booklet for
XYZ(52.8733, 66.0070, 103.2909)
contains.

XYZ(52.8065, 65.9520, 102.8753)	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(52.8065, 65.9520,
102.8753)**

Conversions

Conversions Part 1

Format	Color
Hex	77E3FD
RGB	119, 227, 253
RGB Percent	47%, 89%, 99%
CMY	0.5333, 0.1098, 0.0078
CMYK	0.53, 0.10, 0.00, 0.01
HSL	192°, 97%, 73%
HSV	192°, 53%, 99%
XYZ	52.8065, 65.9520, 102.8753
YIQ	197.6720, -72.7140, -14.8100

Conversions

Conversions Part 2

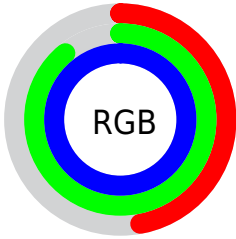
Format	Color
R_{YB}	119, 179, 253
Decimal	7857149
CIE _{Lab}	84.97, -24.18, -22.16
CIE _{LCh}	85, 32.801, 222.505
Yxy	65.9520, 0.2383, 0.2976
Android (android.graphics.Color)	4286047229 (0xFF77E3FD)
YUV	197.6720, 27.2767, -68.9953
Hunter-Lab	81.2108, -26.0512, -18.2591

Details

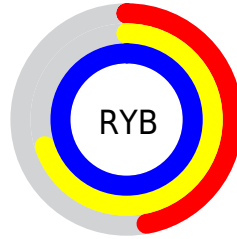
The XYZ color **52.8065, 65.9520, 102.8753** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.9648, 42.4671, 22.8076**, and the grayscale version is **53.3509, 56.1293, 61.1248**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **25.9429, 33.8414, 57.3893** is the 20% darker color. If you saturate the color by 10%, you get **48.4624, 61.7491, 102.2942**, and if you desaturate by 10%, it is **58.1171, 70.7128, 103.5155**.

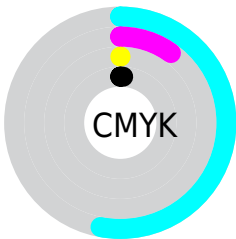
Distribution



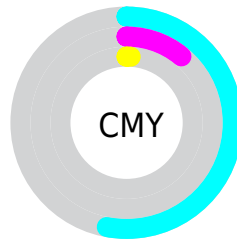
- Red (47%)
- Green (89%)
- Blue (99%)



- Red (47%)
- Yellow (70%)
- Blue (99%)



- Cyan (53%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (53%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8065, 65.9520, 102.8753 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 52.8065, 65.9520, 102.8753 by changing the saturation by 10% instead.

52.8065, 65.9520,
102.8753

52.8065, 65.9520,
102.8753

387.8153,
446.2052, 590.6976

37.8752, 48.2334,
78.0738

93.4868, 113.4174,
167.1892

26.0626, 34.0118,
57.6178

119.9665,
143.9331, 207.5385

17.0034, 22.9027,
41.0888

151.0263,
179.4833, 253.9076

10.3322, 14.5216,
28.0682

187.0316,
220.4523, 306.7150

5.6837, 8.4844,
18.1376

228.3479,
267.2246, 366.3791

2.6926, 4.4064,
10.8784

275.3403,

0.9934, 1.9034,

320.1846, 433.3186

5.8720

328.3743,
379.7167, 507.9519

■ 0.0000, 0.5504,
2.6999

■ 0.0000, 0.0000,
0.9434

■ 52.8065, 65.9520,
102.8753

■ 52.8065, 65.9520,
102.8753

■ 48.4624, 61.7491,
102.2942

■ 58.1171, 70.7128,
103.5155

■ 45.0030, 58.0572,
101.7639

■ 64.4550, 76.0591,
104.2134

■ 42.3434, 54.8336,
101.2819

■ 71.8833, 82.0252,
104.9735

■ 40.3779, 52.0231,
100.8430

■ 80.4582, 88.6407,
105.7985

■ 39.3022, 50.2367,
100.5549

■ 90.2317, 95.9327,
106.6908

94.7298, 99.8719,
107.2141

Harmonies

Analogous

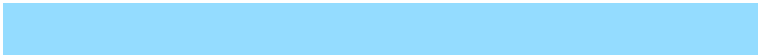
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8416, 65.9520, 80.9628



52.8065, 65.9520, 102.8753



58.5204, 65.9520, 117.8971

Triad

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



52.8065, 65.9520, 102.8753



77.1978, 65.9520, 84.7173



59.6664, 65.9520, 39.0251

Complementary

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



52.8065, 65.9520, 102.8753



53.9648, 42.4671, 22.8076

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.



67.0434, 65.9520, 39.6374



52.8065, 65.9520, 102.8753



77.5654, 65.9520, 63.3753

Square

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



52.8065, 65.9520, 102.8753



72.7574, 65.9520, 106.0838



73.7254, 65.9520, 47.7284



53.5886, 65.9520, 45.8504

Rectangle

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



52.8065, 65.9520, 102.8753



63.3069, 65.9520, 120.4748



73.7254, 65.9520, 47.7284



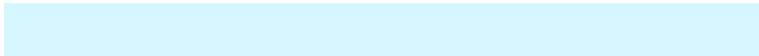
62.0680, 65.9520, 38.4129

Sweetspot

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



52.8086, 65.9545, 102.8769



79.1264, 88.1191, 107.4460



47.7358, 76.1744, 38.4017



16.5467, 18.5615, 22.9606



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.



52.8086, 65.9545, 102.8769



48.9212, 62.4400, 104.0814



38.1601, 36.6576, 97.9941



18.2378, 19.8472, 23.1196



21.0108, 26.9312, 53.5254



2.1189, 2.7684, 5.2360

Inverse Universe

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



60.9718, 39.6244, 77.1104



58.4145, 34.2255, 73.5770



67.0262, 68.5900, 27.1614



18.6327, 18.2364, 21.9487



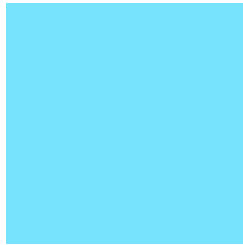
27.3935, 13.4467, 31.7862



2.7041, 1.3240, 3.2892

Previews

White Background



This preview shows how the XYZ color 52.8065, 65.9520, 102.8753 looks on a white background.

Color Contrast Check

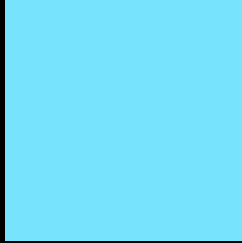
Large Text (above 18pt) WCAG AA × Fail

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 52.8065, 65.9520, 102.8753 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 52.8065, 65.9520, 102.8753

Background



This preview shows how black text looks on a background with the XYZ color 52.8065, 65.9520, 102.8753.

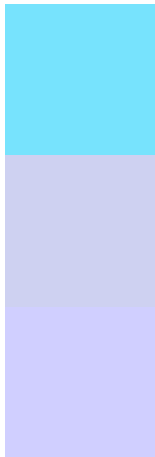


This preview shows how white text looks on a background with the XYZ color 52.8065, 65.9520,

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

52.8065, 65.9520, 102.8753

Protanopia

64.1312, 65.0736, 92.3995

Deuteranopia

66.3752, 65.2555, 103.7050



Tritanopia

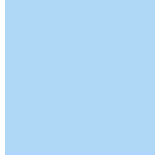
51.8680, 65.9841, 97.9982

Trichromacy



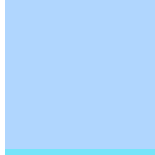
Original Color

52.8065, 65.9520, 102.8753



Protanomaly

58.4929, 64.7030, 95.7922



Deuteranomaly

59.8405, 64.4790, 103.0577



Tritanomaly

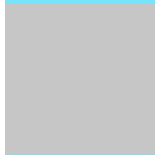
52.3135, 66.1779, 99.6389

Monochromacy



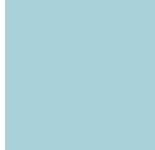
Original Color

52.8065, 65.9520, 102.8753



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.8175, 59.0979, 75.0056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8065, 65.9520, 102.8753 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, 227, 253)` looks like.

```
.text, #text, p{  
    color:rgb(119, 227, 253)  
}
```

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, 227, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 227, 253) }
```

Border

The CSS property to change the border of an element to XYZ 52.8065, 65.9520, 102.8753 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, 227, 253) }
```


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

```
.border{ border-color:rgb(119, 227, 253) }
```

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

Here you see how a box with a 4 pixel rgb(119, 227, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 227, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 227, 253);  
box-shadow:4px 4px 4px 4px rgb(119, 227,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8065, 65.9520, 102.8753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 227, 253) }
```

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

```
.background{ background-color: rgb(119,  
227, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor