

Converting Colors

XYZ(37.7983, 51.4214, 68.9069)

Have a look what the booklet for
XYZ(37.7983, 51.4214, 68.9069)
contains.

XYZ(37.6920, 51.2101, 68.8707)	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(37.6920, 51.2101,
68.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	55CFD2
RGB	85, 207, 210
RGB Percent	33%, 81%, 82%
CMY	0.6666, 0.1882, 0.1765
CMYK	0.60, 0.01, 0.00, 0.18
HSL	181°, 58%, 58%
HSV	181°, 60%, 82%
XYZ	37.6920, 51.2101, 68.8707
YIQ	170.8640, -73.6750, -24.9310

Conversions

Conversions Part 2

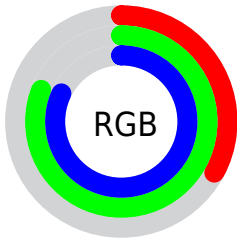
Format	Color
RYP	85, 147, 210
Decimal	5623762
CIELab	76.81, -32.68, -11.67
CIElCh	77, 34.703, 199.651
Yxy	51.2101, 0.2389, 0.3246
Android (android.graphics.Color)	4283813842 (0xFF55CFD2)
YUV	170.8640, 19.2940, -75.3027
Hunter-Lab	71.5612, -31.2145, -6.9680

Details

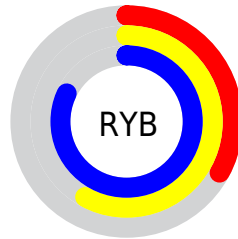
The XYZ color **37.6920, 51.2101, 68.8707** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.7088, 21.3380, 11.0431**, and the grayscale version is **38.5748, 40.5837, 44.1956**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **17.2290, 24.8568, 35.3423** is the 20% darker color. If you saturate the color by 10%, you get **35.9396, 50.1270, 68.7549**, and if you desaturate by 10%, it is **40.0135, 52.5895, 69.0155**.

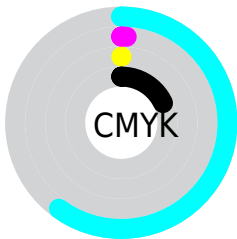
Distribution



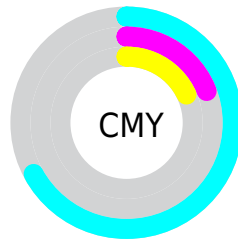
- Red (33%)
- Green (81%)
- Blue (82%)



- Red (33%)
- Yellow (58%)
- Blue (82%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6920, 51.2101, 68.8707 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 37.6920, 51.2101, 68.8707 by changing the saturation by 10% instead.

37.6920, 51.2101,
68.8707

37.6920, 51.2101,
68.8707

327.6006,
391.3795, 475.2564

25.9199, 36.3758,
50.1353

70.9428, 91.9653,
119.2628

16.8961, 24.7246,
35.1490

93.1521, 118.6550,
151.7567

10.2553, 15.8720,
23.4932

119.5712,
150.0652, 189.6737

5.6321, 9.4336,
14.7494

150.5654,
186.5805, 233.4326

2.6612, 5.0251,
8.4990

186.5001,
228.5852, 283.4517

0.9772, 2.2620,
4.3236

227.7406,

0.0000, 0.7535,

276.4637, 340.1497

1.8045

274.6524,
330.6003, 403.9451

■ 0.0000, 0.0000,
0.4309

■ 0.0000, 0.0000,
0.0000

■ 37.6920, 51.2101,
68.8707

■ 37.6920, 51.2101,
68.8707

■ 35.9396, 50.1270,
68.7549

■ 40.0135, 52.5895,
69.0155

■ 34.6999, 49.3076,
68.6621

■ 42.9449, 54.2827,
69.1878

■ 33.9133, 48.7223,
68.5906

■ 46.5285, 56.3127,
69.3908

■ 33.4742, 48.3168,
68.5355

■ 50.8016, 58.6988,
69.6261

■ 33.4558, 48.2988,
68.5330

■ 55.7987, 61.4587,
69.8955

■ 61.5520, 64.6090,
70.2003

■ 68.0916, 68.1652,
70.5420

■ 75.4462, 72.1422,
70.9220

■ 76.3008, 72.7688,
70.9980

Harmonies

Analogous

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



37.2454, 51.2101, 49.4924



37.6920, 51.2101, 68.8707



40.9242, 51.2101, 88.2295

Triad

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



37.6920, 51.2101, 68.8707



58.9801, 51.2101, 82.7002



50.9850, 51.2101, 27.1431

Complementary

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



37.6920, 51.2101, 68.8707



31.7088, 21.3380, 11.0431

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.



57.3445, 51.2101, 32.4286



37.6920, 51.2101, 68.8707



62.2288, 51.2101, 62.5336

Square

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



37.6920, 51.2101, 68.8707



53.0591, 51.2101, 97.3785



61.6046, 51.2101, 44.4271



44.5368, 51.2101, 28.0963

Rectangle

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



37.6920, 51.2101, 68.8707



44.4002, 51.2101, 97.1594



61.6046, 51.2101, 44.4271



53.2129, 51.2101, 28.1922

Sweetspot

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



37.6935, 51.2120, 68.8719



79.7826, 91.6095, 108.0851



28.5178, 48.7150, 16.9360



16.6254, 19.3576, 23.1101



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.



37.6935, 51.2120, 68.8719



55.2604, 77.4544, 106.6454



25.5697, 26.9644, 64.8306



12.1331, 13.3564, 15.1822



20.4185, 29.4836, 41.8072



1.1495, 1.6643, 2.3402

Inverse Universe

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



41.0906, 24.7050, 61.6364



61.0441, 33.0943, 94.1543



39.0593, 36.0390, 13.4933



12.2981, 12.0040, 14.8454



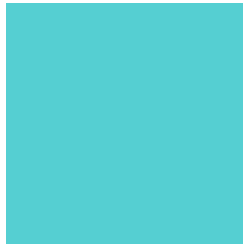
22.9370, 11.0477, 36.1702



1.2865, 0.6193, 2.0433

Previews

White Background



This preview shows how the XYZ color 37.6920, 51.2101, 68.8707 looks on a white background.

Color Contrast Check

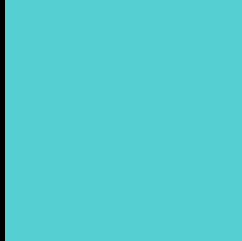
Large Text (above 18pt) WCAG AA × Fail

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 37.6920, 51.2101, 68.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

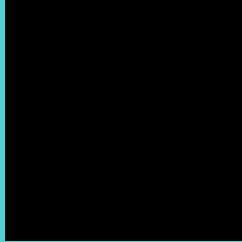
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6920, 51.2101, 68.8707

Background



This preview shows how black text looks on a background with the XYZ color 37.6920, 51.2101, 68.8707.

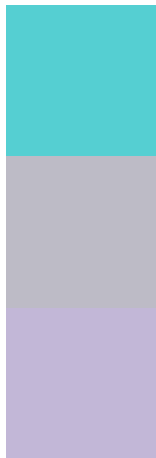


This preview shows how white text looks on a background with the XYZ color 37.6920, 51.2101,

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

37.6920, 51.2101, 68.8707

Protanopia

48.9496, 50.4367, 60.5814

Deuteranopia

51.4474, 50.2426, 71.2762



Tritanopia

39.2326, 51.1102, 76.9047

Trichromacy



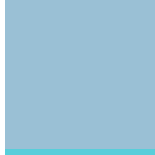
Original Color

37.6920, 51.2101, 68.8707



Protanomaly

42.7150, 49.4272, 63.1662



Deuteranomaly

44.1863, 49.3734, 70.1519



Tritanomaly

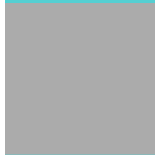
38.7507, 51.2793, 74.1852

Monochromacy



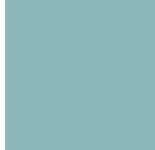
Original Color

37.6920, 51.2101, 68.8707



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.7127, 43.3592, 52.3331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6920, 51.2101, 68.8707 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(85, 207, 210)` looks like.

```
.text, #text, p{  
    color:rgb(85, 207, 210)  
}
```

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(85, 207, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 207, 210) }
```

Border

The CSS property to change the border of an element to XYZ 37.6920, 51.2101, 68.8707 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(85, 207, 210) }
```


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

```
.border{ border-color:rgb(85, 207, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 207, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 207, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 207, 210);  
box-shadow:4px 4px 4px 4px rgb(85, 207,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6920, 51.2101, 68.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 207, 210) }
```

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

```
.background{ background-color: rgb(85, 207,  
210) }
```

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