

Converting Colors

XYZ(37.2474, 51.4290, 65.0394)

Have a look what the booklet for
XYZ(37.2474, 51.4290, 65.0394)
contains.

XYZ(37.2927, 51.4498, 65.0920)	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(37.2927, 51.4498,
65.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	56D0CC
RGB	86, 208, 204
RGB Percent	34%, 82%, 80%
CMY	0.6627, 0.1843, 0.2000
CMYK	0.59, 0.00, 0.02, 0.18
HSL	178°, 56%, 58%
HSV	178°, 59%, 82%
XYZ	37.2927, 51.4498, 65.0920
YIQ	171.0660, -71.4280, -27.1080

Conversions

Conversions Part 2

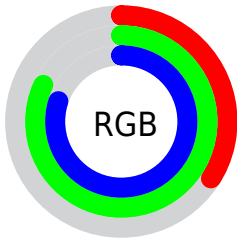
Format	Color
RYB	86, 148, 208
Decimal	5689548
CIELab	76.95, -34.61, -8.22
CIELCh	77, 35.570, 193.364
Yxy	51.4498, 0.2424, 0.3344
Android (android.graphics.Color)	4283879628 (0xFF56D0CC)
YUV	171.0660, 16.2365, -74.6029
Hunter-Lab	71.7285, -32.7202, -3.5944

Details

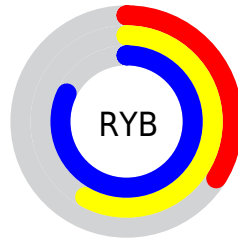
The XYZ color **37.2927, 51.4498, 65.0920** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.1874, 20.8052, 12.0466**, and the grayscale version is **38.6900, 40.7049, 44.3277**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **16.8963, 24.9845, 32.7861** is the 20% darker color. If you saturate the color by 10%, you get **35.5679, 50.5712, 64.5861**, and if you desaturate by 10%, it is **39.5781, 52.6197, 65.6283**.

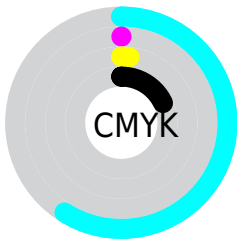
Distribution



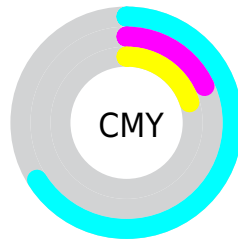
- Red (34%)
- Green (82%)
- Blue (80%)



- Red (34%)
- Yellow (58%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2927, 51.4498, 65.0920 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 37.2927, 51.4498, 65.0920 by changing the saturation by 10% instead.


 37.2927, 51.4498,
65.0920


 37.2927, 51.4498,
65.0920


325.9096,
392.3088, 461.4378


 25.6089, 36.5667,
47.0839

 70.3336, 92.3193,
113.7967

 16.6624, 24.8722,
32.7471


 92.4215, 119.0745,
145.3303

 10.0879, 15.9819,
21.6633


 118.7081,
150.5559, 182.2094

 5.5200, 9.5113,
13.4137

 149.5588,
187.1478, 224.8527

 2.5933, 5.0762,
7.5800

185.3389,
229.2346, 273.6787

 0.9426, 2.2920,
3.7435

226.4139,

 0.0000, 0.7695,

277.2008, 329.1058

1.4857

273.1490,
331.4308, 391.5526

■ 0.0000, 0.0000,
0.2072

■ 0.0000, 0.0000,
0.0000

■ 37.2927, 51.4498,
65.0920

■ 37.2927, 51.4498,
65.0920

■ 35.5679, 50.5712,
64.5861

■ 39.5781, 52.6197,
65.6283

■ 34.3491, 49.9523,
64.1046

■ 42.4634, 54.0976,
66.1934

■ 33.5793, 49.5649,
63.6460

■ 45.9896, 55.9059,
66.7903

■ 33.1665, 49.3613,
63.2060

■ 50.1929, 58.0631,
67.4209

■ 33.1205, 49.3389,
63.1473

■ 55.1068, 60.5867,
68.0865

■ 60.7625, 63.4926,
68.7888

■ 67.1894, 66.7961,
69.5290

■ 74.4154, 70.5114,
70.3085

■ 75.4473, 71.0336,
70.8001

Harmonies

Analogous

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



37.4535, 51.4498, 46.0056



37.2927, 51.4498, 65.0920



40.0307, 51.4498, 85.7342

Triad

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



37.2927, 51.4498, 65.0920



58.4009, 51.4498, 87.7492



52.7258, 51.4498, 27.3418

Complementary

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



37.2927, 51.4498, 65.0920



31.1874, 20.8052, 12.0466

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.



58.9946, 51.4498, 34.1127



37.2927, 51.4498, 65.0920



62.4726, 51.4498, 67.3917

Square

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



37.2927, 51.4498, 65.0920



51.9743, 51.4498, 100.7121



62.6994, 51.4498, 47.8328



45.9523, 51.4498, 27.0016

Rectangle

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



37.2927, 51.4498, 65.0920



43.2917, 51.4498, 96.4155



62.6994, 51.4498, 47.8328



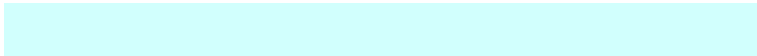
54.9761, 51.4498, 28.8550

Sweetspot

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



37.2942, 51.4518, 65.0932



79.8913, 92.2133, 106.9302



28.4601, 47.9626, 16.5631



16.6524, 19.5077, 22.8231



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.



37.2942, 51.4518, 65.0932



55.9018, 79.9256, 102.2218



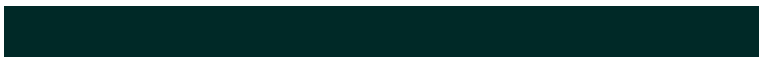
26.3019, 28.6891, 63.8279



12.1409, 13.4001, 15.0985



20.6492, 30.7526, 39.3943



1.1599, 1.7216, 2.2310

Inverse Universe

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



31.1874, 20.8052, 12.0466



45.3956, 27.1127, 10.8944



37.5065, 33.7087, 13.3350



11.8242, 11.8144, 12.3502



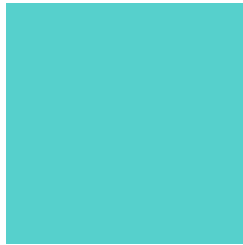
16.2426, 8.3699, 0.9180



0.9138, 0.4702, 0.0810

Previews

White Background



This preview shows how the XYZ color 37.2927, 51.4498, 65.0920 looks on a white background.

Color Contrast Check

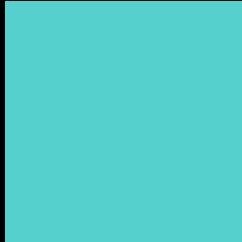
Large Text (above 18pt) WCAG AA × Fail

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 37.2927, 51.4498, 65.0920 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

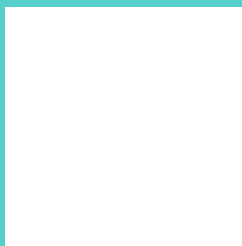
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2927, 51.4498, 65.0920

Background



This preview shows how black text looks on a background with the XYZ color 37.2927, 51.4498, 65.0920.

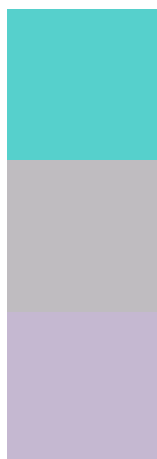


This preview shows how white text looks on a background with the XYZ color 37.2927, 51.4498,

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

37.2927, 51.4498, 65.0920

Protanopia

48.9835, 50.8486, 57.1022

Deuteranopia

51.6751, 50.7547, 67.3947



Tritanopia

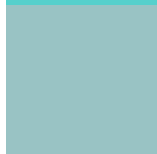
39.5303, 51.2637, 76.9187

Trichromacy



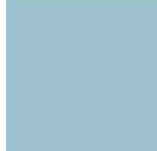
Original Color

37.2927, 51.4498, 65.0920



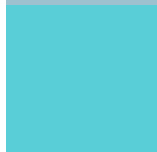
Protanomaly

42.6158, 49.7880, 59.5885



Deuteranomaly

44.2371, 49.8130, 66.3148



Tritanomaly

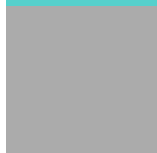
38.5535, 51.2226, 72.1449

Monochromacy



Original Color

37.2927, 51.4498, 65.0920



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.5030, 43.2753, 51.2288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2927, 51.4498, 65.0920 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(86, 208, 204)` looks like.

```
.text, #text, p{  
    color:rgb(86, 208, 204)  
}
```

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(86, 208, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 208, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.2927, 51.4498, 65.0920 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(86, 208, 204) }
```


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

```
.border{ border-color:rgb(86, 208, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 208, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 208, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 208, 204);  
box-shadow:4px 4px 4px 4px rgb(86, 208,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2927, 51.4498, 65.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 208, 204) }
```

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

```
.background{ background-color: rgb(86, 208,  
204) }
```

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