

Converting Colors

XYZ(38.8581, 54.9684, 65.6887)

Have a look what the booklet for
XYZ(38.8581, 54.9684, 65.6887)
contains.

XYZ(38.7668, 54.7995, 65.6609)	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(38.7668, 54.7995,
65.6609)**

Conversions

Conversions Part 1

Format	Color
Hex	53D7CC
RGB	83, 215, 204
RGB Percent	33%, 84%, 80%
CMY	0.6745, 0.1568, 0.2000
CMYK	0.61, 0.00, 0.05, 0.16
HSL	175°, 62%, 58%
HSV	175°, 61%, 84%
XYZ	38.7668, 54.7995, 65.6609
YIQ	174.2780, -75.1410, -31.4050

Conversions

Conversions Part 2

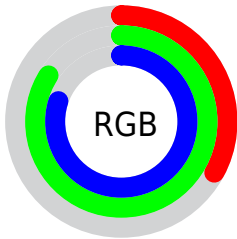
Format	Color
RYB	83, 152, 215
Decimal	5494732
CIELab	78.93, -38.36, -5.31
CIElCh	79, 38.724, 187.876
Yxy	54.7995, 0.2435, 0.3442
Android (android.graphics.Color)	4283684812 (0xFF53D7CC)
YUV	174.2780, 14.6529, -80.0508
Hunter-Lab	74.0267, -36.0686, -0.7709

Details

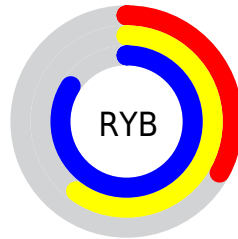
The XYZ color **38.7668, 54.7995, 65.6609** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.1398, 21.4434, 12.9839**, and the grayscale version is **40.3313, 42.4317, 46.2081**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **18.0758, 27.3436, 33.1793** is the 20% darker color. If you saturate the color by 10%, you get **36.9426, 53.8850, 64.4611**, and if you desaturate by 10%, it is **41.1847, 56.0223, 66.9039**.

Distribution



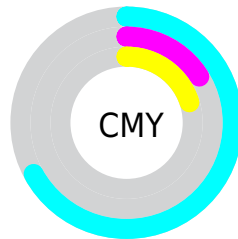
- Red (33%)
- Green (84%)
- Blue (80%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)



- Cyan (67%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7668, 54.7995, 65.6609 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 38.7668, 54.7995, 65.6609 by changing the saturation by 10% instead.

■ 38.7668, 54.7995,
65.6609

■ 38.7668, 54.7995,
65.6609

332.1223,
405.1515, 463.5342

■ 26.7583, 39.2412,
47.5424

■ 72.5783, 97.2471,
114.6219

■ 17.5274, 26.9474,
33.1073

■ 95.1120, 124.9053,
146.3014

■ 10.7089, 17.5337,
21.9368

■ 121.8847,
157.3655, 183.3384

■ 5.9373, 10.6158,
13.6126

■ 153.2619,
195.0122, 226.1515

■ 2.8473, 5.8091,
7.7161

189.6089,
238.2297, 275.1590

■ 1.0735, 2.7293,
3.8287

231.2911,

■ 0.0028, 0.9921,

287.4025, 330.7796

1.5318

278.6737,
342.9150, 393.4318

■ 0.0000, 0.0000,
0.2415

■ 0.0000, 0.0000,
0.0000

■ 38.7668, 54.7995,
65.6609

■ 38.7668, 54.7995,
65.6609

■ 36.9426, 53.8850,
64.4611

■ 41.1847, 56.0223,
66.9039

■ 35.6508, 53.2435,
63.2978

■ 44.2407, 57.5725,
68.1884

■ 34.8257, 52.8423,
62.1692

■ 47.9806, 59.4748,
69.5180

■ 34.3889, 52.6376,
61.2209

■ 52.4443, 61.7501,
70.8945

■ 57.6690, 64.4174,
72.3197

■ 63.6892, 67.4945,
73.7952

■ 70.5372, 70.9981,
75.3226

■ 78.2405, 74.9423,
76.9033

■ 78.4768, 75.0368,
78.1477

Harmonies

Analogous

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



39.5518, 54.7995, 45.0957



38.7668, 54.7995, 65.6609



41.2625, 54.7995, 89.6300

Triad

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



38.7668, 54.7995, 65.6609



61.7024, 54.7995, 99.7307



57.8557, 54.7995, 28.4042

Complementary

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



38.7668, 54.7995, 65.6609



33.1398, 21.4434, 12.9839

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.



64.6522, 54.7995, 37.2591



38.7668, 54.7995, 65.6609



67.0210, 54.7995, 77.0817

Square

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



38.7668, 54.7995, 65.6609



54.1380, 54.7995, 112.2216



68.1504, 54.7995, 54.0501



50.0851, 54.7995, 26.7786

Rectangle

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



38.7668, 54.7995, 65.6609



44.6106, 54.7995, 103.2032



68.1504, 54.7995, 54.0501



60.3515, 54.7995, 30.5061

Sweetspot

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



38.7684, 54.8016, 65.6622



79.5229, 92.0659, 104.9901



30.7084, 51.7252, 16.5503



16.5610, 19.4711, 22.3418



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.



38.7684, 54.8016, 65.6622



53.6473, 78.9368, 94.2811



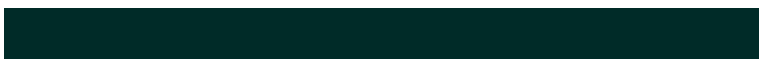
28.7904, 32.6585, 69.0786



12.7455, 14.0892, 15.7400



20.5871, 31.4902, 36.7171



1.2552, 1.9047, 2.2856

Inverse Universe

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



33.1398, 21.4434, 12.9839



44.7298, 25.8012, 10.6108



38.3636, 32.6257, 12.4603



12.4649, 12.4374, 13.1222



16.8428, 8.6735, 1.2105



1.0308, 0.5291, 0.1516

Previews

White Background



This preview shows how the XYZ color 38.7668, 54.7995, 65.6609 looks on a white background.

Color Contrast Check

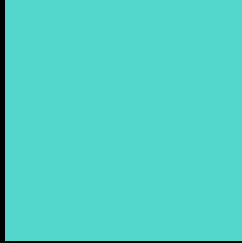
Large Text (above 18pt) WCAG AA × Fail

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 38.7668, 54.7995, 65.6609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

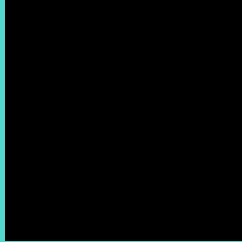
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

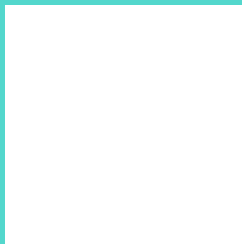
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7668, 54.7995, 65.6609

Background



This preview shows how black text looks on a background with the XYZ color 38.7668, 54.7995, 65.6609.

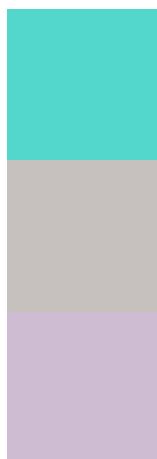


This preview shows how white text looks on a background with the XYZ color 38.7668, 54.7995,

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

38.7668, 54.7995, 65.6609

Protanopia

51.7626, 53.9073, 56.9672

Deuteranopia

55.0697, 53.7414, 68.4434



Tritanopia

41.9139, 54.5697, 81.7227

Trichromacy



Original Color

38.7668, 54.7995, 65.6609



Protanomaly

44.5608, 52.8267, 60.0725



Deuteranomaly

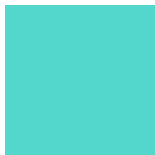
46.2772, 52.5193, 67.3727



Tritanomaly

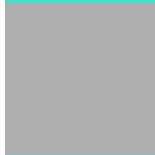
40.5461, 54.3751, 75.3763

Monochromacy



Original Color

38.7668, 54.7995, 65.6609



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.9391, 45.5607, 52.6934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7668, 54.7995, 65.6609 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(83, 215, 204)` looks like.

```
.text, #text, p{  
    color:rgb(83, 215, 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(83, 215, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 215, 204) }
```

Border

The CSS property to change the border of an element to XYZ 38.7668, 54.7995, 65.6609 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(83, 215, 204) }
```


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

```
.border{ border-color:rgb(83, 215, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 215, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 215, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 215, 204);  
box-shadow:4px 4px 4px 4px rgb(83, 215,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7668, 54.7995, 65.6609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 215, 204) }
```

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

```
.background{ background-color: rgb(83, 215,  
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