

Converting Colors

XYZ(37.9046, 52.7717, 58.8256)

Have a look what the booklet for
XYZ(37.9046, 52.7717, 58.8256)
contains.

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Color

**XYZ(37.8178, 52.5961,
58.6109)**

Conversions

Conversions Part 1

Format	Color
Hex	63D2C1
RGB	99, 210, 193
RGB Percent	39%, 82%, 76%
CMY	0.6117, 0.1765, 0.2431
CMYK	0.53, 0.00, 0.08, 0.18
HSL	171°, 55%, 61%
HSV	171°, 53%, 82%
XYZ	37.8178, 52.5961, 58.6109
YIQ	174.8730, -60.6990, -28.8190

Conversions

Conversions Part 2

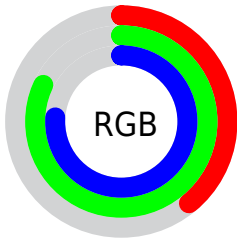
Format	Color
RYB	99, 159, 210
Decimal	6542017
CIELab	77.64, -35.85, -1.25
CIELCh	78, 35.872, 182.000
Yxy	52.5961, 0.2538, 0.3529
Android (android.graphics.Color)	4284732097 (0xFF63D2C1)
YUV	174.8730, 8.9366, -66.5406
Hunter-Lab	72.5232, -33.8353, 2.8499

Details

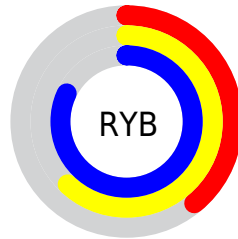
The XYZ color **37.8178, 52.5961, 58.6109** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.1943, 23.8877, 19.3334**, and the grayscale version is **40.6609, 42.7785, 46.5858**.

A 20% lighter version of the original color is **66.9594, 85.6287, 102.6214**, and **17.0200, 25.6274, 28.8605** is the 20% darker color. If you saturate the color by 10%, you get **35.4604, 51.4231, 56.6487**, and if you desaturate by 10%, it is **40.7825, 54.0838, 60.6446**.

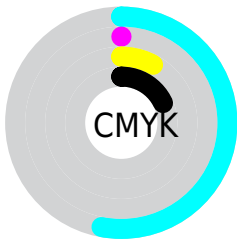
Distribution



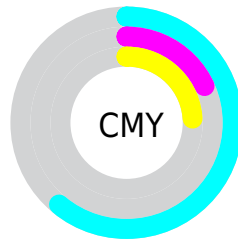
- Red (39%)
- Green (82%)
- Blue (76%)



- Red (39%)
- Yellow (62%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)



- Cyan (61%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8178, 52.5961, 58.6109 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 37.8178, 52.5961, 58.6109 by changing the saturation by 10% instead.

37.8178, 52.5961,
58.6109

37.8178, 52.5961,
58.6109

328.1321,
396.7336, 437.1201

26.0179, 37.4804,
41.8820

71.1345, 94.0098,
104.3355

16.9698, 25.5797,
28.6840

93.3820, 121.0766,
134.1683

10.3081, 16.5095,
18.5984

119.8427,
152.8959, 169.2061

5.6675, 9.8854,
11.2066

150.8820,
189.8520, 209.8676

2.6827, 5.3230,
6.0901

186.8652,
232.3295, 256.5712

0.9883, 2.4380,
2.8302

228.1577,

0.0000, 0.8453,

280.7127, 309.7354

1.0086

275.1249,
335.3859, 369.7789

■ 0.0000, 0.0000,
0.0000

■ 37.8178, 52.5961,
58.6109

■ 37.8178, 52.5961,
58.6109

■ 35.4604, 51.4231,
56.6487

■ 40.7825, 54.0838,
60.6446

■ 33.6585, 50.5343,
54.7518

■ 44.3922, 55.9018,
62.7484

■ 32.3590, 49.9036,
52.9187

■ 48.6868, 58.0721,
64.9254

■ 31.4965, 49.4973,
51.1459

■ 53.7018, 60.6127,
67.1777

■ 31.0670, 49.3028,
49.9126

■ 59.4701, 63.5408,
69.5069

■ 66.0225, 66.8722,
71.9149

■ 73.3883, 70.6220,
74.4031

■ 77.0388, 72.4555,
76.7599

■ 77.4658, 72.6263,
79.0086

Harmonies

Analogous

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



39.1211, 52.5961, 41.1507



37.8178, 52.5961, 58.6109



39.5175, 52.5961, 79.9734

Triad

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



37.8178, 52.5961, 58.6109



57.3925, 52.5961, 96.1260



56.5136, 52.5961, 29.7422

Complementary

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



37.8178, 52.5961, 58.6109



34.1943, 23.8877, 19.3334

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.



62.1686, 52.5961, 39.3270



37.8178, 52.5961, 58.6109



62.7081, 52.5961, 77.1248

Square

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



37.8178, 52.5961, 58.6109



50.4577, 52.5961, 104.5192



64.5308, 52.5961, 55.9462



49.5272, 52.5961, 26.9615

Rectangle

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



37.8178, 52.5961, 58.6109



42.2254, 52.5961, 92.9252



64.5308, 52.5961, 55.9462



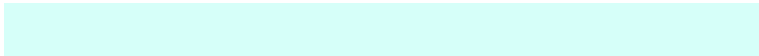
58.6548, 52.5961, 32.1458

Sweetspot

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



37.8193, 52.5982, 58.6121



80.6100, 92.6703, 103.0572



32.7038, 50.8128, 19.8896



16.9040, 19.6580, 21.9025



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.



37.8193, 52.5982, 58.6121



54.7502, 79.6535, 87.6415



31.7236, 37.1948, 66.4824



12.0773, 13.3747, 14.7635



18.9798, 30.0849, 30.6034



1.0828, 1.6908, 1.8246

Inverse Universe

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



34.1943, 23.8877, 19.3334



48.6011, 30.6587, 20.7954



37.6364, 32.2125, 16.0394



11.8815, 11.8373, 12.6518



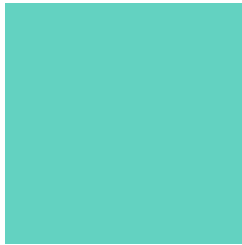
16.3964, 8.4314, 1.7276



0.9407, 0.4810, 0.2227

Previews

White Background



This preview shows how the XYZ color 37.8178, 52.5961, 58.6109 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 37.8178, 52.5961, 58.6109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

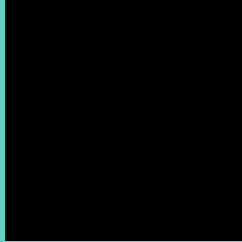
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

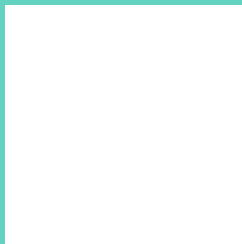
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8178, 52.5961, 58.6109

Background



This preview shows how black text looks on a background with the XYZ color 37.8178, 52.5961, 58.6109.

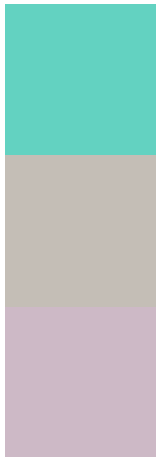


This preview shows how white text looks on a background with the XYZ color 37.8178, 52.5961,

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

37.8178, 52.5961, 58.6109

Protanopia

49.6219, 51.9401, 51.6661

Deuteranopia

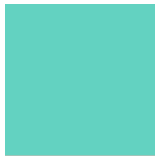
52.7188, 51.7543, 60.6371



Tritanopia

41.5628, 52.6677, 77.0825

Trichromacy



Original Color

37.8178, 52.5961, 58.6109



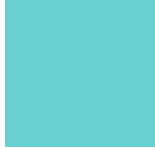
Protanomaly

43.5271, 51.0547, 54.0148



Deuteranomaly

44.9815, 50.6761, 59.6352



Tritanomaly

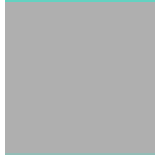
39.8964, 52.3321, 69.6264

Monochromacy



Original Color

37.8178, 52.5961, 58.6109



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.4593, 45.5469, 51.0204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8178, 52.5961, 58.6109 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(99, 210, 193)` looks like.

```
.text, #text, p{  
    color:rgb(99, 210, 193)  
}
```

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(99, 210, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 210, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.8178, 52.5961, 58.6109 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(99, 210, 193) }
```


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

```
.border{ border-color:rgb(99, 210, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 210, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 210, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 210, 193);  
box-shadow:4px 4px 4px 4px rgb(99, 210,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8178, 52.5961, 58.6109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 210, 193) }
```

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

```
.background{ background-color: rgb(99, 210,  
193) }
```

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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