

Converting Colors

XYZ(38.8061, 52.9297, 49.6032)

Have a look what the booklet for
XYZ(38.8061, 52.9297, 49.6032)
contains.

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Color

**XYZ(38.9047, 52.9862,
49.7718)**

Conversions

Conversions Part 1

Format	Color
Hex	7BD1B1
RGB	123, 209, 177
RGB Percent	48%, 82%, 69%
CMY	0.5176, 0.1804, 0.3059
CMYK	0.41, 0.00, 0.15, 0.18
HSL	158°, 48%, 65%
HSV	158°, 41%, 82%
XYZ	38.9047, 52.9862, 49.7718
YIQ	179.6380, -40.9840, -28.1840

Conversions

Conversions Part 2

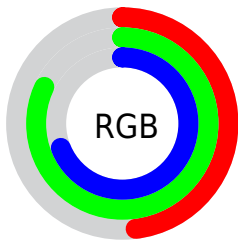
Format	Color
RYB	123, 176, 209
Decimal	8114609
CIELab	77.87, -33.36, 7.77
CIELCh	78, 34.250, 166.880
Yxy	52.9862, 0.2746, 0.3740
Android (android.graphics.Color)	4286304689 (0xFF7BD1B1)
YUV	179.6380, -1.3005, -49.6715
Hunter-Lab	72.7916, -31.9830, 10.4142

Details

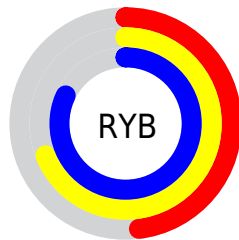
The XYZ color **38.9047, 52.9862, 49.7718** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.2957, 30.0892, 34.7493**, and the grayscale version is **43.2121, 45.4625, 49.5087**.

A 20% lighter version of the original color is **69.0584, 86.9869, 90.2412**, and **17.5776, 25.7954, 23.1214** is the 20% darker color. If you saturate the color by 10%, you get **35.4750, 51.3066, 45.6800**, and if you desaturate by 10%, it is **43.0197, 55.0168, 54.1286**.

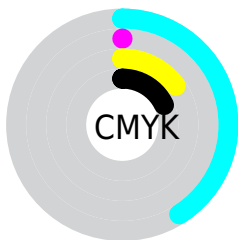
Distribution



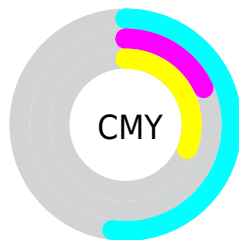
- Red (48%)
- Green (82%)
- Blue (69%)



- Red (48%)
- Yellow (69%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)



- Cyan (52%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9047, 52.9862, 49.7718 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 38.9047, 52.9862, 49.7718 by changing the saturation by 10% instead.


 38.9047, 52.9862,
49.7718


 38.9047, 52.9862,
49.7718


332.6993,
398.2322, 402.4823


 26.8660, 37.7918,
34.8622


 72.7877, 94.5841,
91.2295

 17.6087, 25.8211,
23.2740


 95.3627, 121.7563,
118.6147

 10.7674, 16.6899,
14.5888


 122.1805,
153.6898, 150.9954

 5.9768, 10.0136,
8.3879

153.6065,
190.7692, 188.7904

 2.8715, 5.4080,
4.2528

190.0061,
233.3787, 232.4180

 1.0862, 2.4886,
1.7650

231.7444,

 0.0135, 0.8709,

281.9028, 282.2968

0.4047

279.1871,
336.7258, 338.8454

■ 0.0000, 0.0000,
0.0000

■ 38.9047, 52.9862,
49.7718

■ 38.9047, 52.9862,
49.7718

■ 35.4750, 51.3066,
45.6800

■ 43.0197, 55.0168,
54.1286

■ 32.6846, 49.9501,
41.8439

■ 47.8538, 57.4116,
58.7523

■ 30.4884, 48.8950,
38.2585


■ 53.4436, 60.1906,
63.6494


■ 28.8333, 48.1140,
34.9174


■ 59.8220, 63.3708,
68.8249


■ 27.6561, 47.5746,
31.8136


■ 67.0197, 66.9680,
74.2839

 26.9138, 47.2477,
29.2559

 75.0659, 70.9971,
80.0309

 78.5279, 72.6574,
85.8152

 79.6540, 73.1078,
91.7451

 80.8295, 73.5780,
97.9356

Harmonies

Analogous

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



41.5913, 52.9862, 36.1035



38.9047, 52.9862, 49.7718



39.0879, 52.9862, 68.9958

Triad

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



38.9047, 52.9862, 49.7718



54.1676, 52.9862, 100.3204



59.6194, 52.9862, 34.8742

Complementary

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



38.9047, 52.9862, 49.7718



39.2957, 30.0892, 34.7493

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.



63.6185, 52.9862, 47.6973



38.9047, 52.9862, 49.7718



60.2860, 52.9862, 86.5256

Square

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



38.9047, 52.9862, 49.7718



47.5142, 52.9862, 101.2226



63.8726, 52.9862, 66.4129



53.3210, 52.9862, 28.8677

Rectangle

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



38.9047, 52.9862, 49.7718



40.8086, 52.9862, 82.5854



63.8726, 52.9862, 66.4129



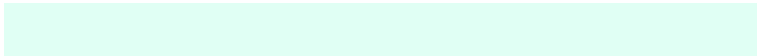
61.3004, 52.9862, 38.3843

Sweetspot

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



38.9062, 52.9883, 49.7730



82.8951, 93.9395, 99.0435



40.0812, 54.0978, 27.0693



17.4835, 19.9778, 20.9781



0.0000, 0.0000, 0.0000



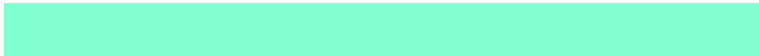
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9062, 52.9883, 49.7730



56.4209, 80.8487, 72.6320



40.0945, 49.6480, 67.7939



11.9640, 13.3294, 14.1669



16.6426, 29.1500, 18.2961



0.9682, 1.6450, 1.2215

Inverse Universe

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



39.2957, 30.0892, 34.7493



57.1199, 40.3948, 46.1444



38.2634, 31.7710, 22.8556



11.9881, 11.8800, 13.2129



17.0992, 8.7125, 5.4286



0.9940, 0.5023, 0.5033

Previews

White Background



This preview shows how the XYZ color 38.9047, 52.9862, 49.7718 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 38.9047, 52.9862, 49.7718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

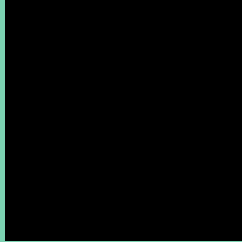
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9047, 52.9862, 49.7718

Background



This preview shows how black text looks on a background with the XYZ color 38.9047, 52.9862, 49.7718.

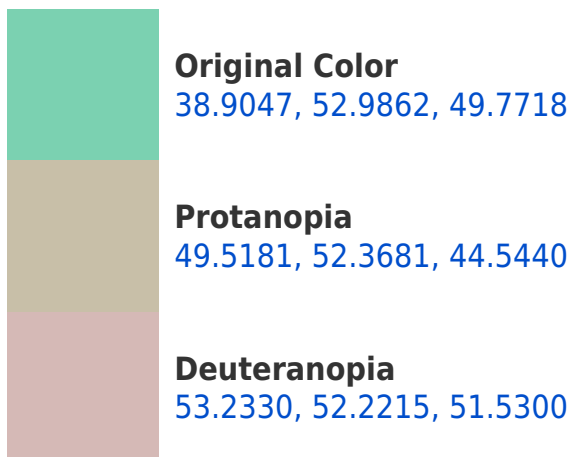


This preview shows how white text looks on a background with the XYZ color 38.9047, 52.9862,

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





Tritanopia

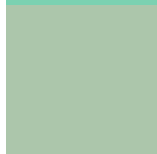
43.9736, 52.8947, 74.9099

Trichromacy



Original Color

38.9047, 52.9862, 49.7718



Protanomaly

44.5580, 52.0991, 46.2358



Deuteranomaly

46.3524, 51.5822, 50.6933



Tritanomaly

41.9363, 52.7681, 65.1017

Monochromacy



Original Color

38.9047, 52.9862, 49.7718



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.0656, 47.8872, 49.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9047, 52.9862, 49.7718 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(123, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(123, 209, 177)  
}
```

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(123, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 209, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.9047, 52.9862, 49.7718 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(123, 209, 177) }
```


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

```
.border{ border-color:rgb(123, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 209, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 209, 177); box-shadow:4px 4px 4px 4px rgb(123, 209, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9047, 52.9862, 49.7718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 209, 177) }
```

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

```
.background{ background-color: rgb(123,  
209, 177) }
```

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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