

Converting Colors

XYZ(38.4096, 47.9601, 59.3622)

Have a look what the booklet for
XYZ(38.4096, 47.9601, 59.3622)
contains.

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Color

**XYZ(38.4561, 47.9774,
59.4583)**

Conversions

Conversions Part 1

Format	Color
Hex	7FC4C4
RGB	127, 196, 196
RGB Percent	50%, 77%, 77%
CMY	0.5019, 0.2314, 0.2314
CMYK	0.35, 0.00, 0.00, 0.23
HSL	180°, 37%, 63%
HSV	180°, 35%, 77%
XYZ	38.4561, 47.9774, 59.4583
YIQ	175.3690, -41.1240, -14.6280

Conversions

Conversions Part 2

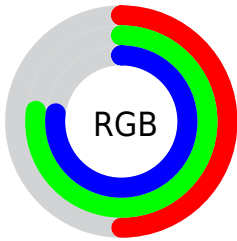
Format	Color
RYB	127, 162, 196
Decimal	8373444
CIELab	74.81, -21.62, -6.90
CIElCh	75, 22.691, 197.712
Yxy	47.9774, 0.2636, 0.3289
Android (android.graphics.Color)	4286563524 (0xFF7FC4C4)
YUV	175.3690, 10.1711, -42.4196
Hunter-Lab	69.2657, -22.1124, -2.4091

Details

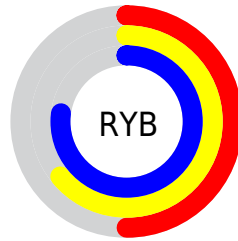
The XYZ color **38.4561, 47.9774, 59.4583** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.1867, 28.4481, 23.7696**, and the grayscale version is **40.9040, 43.0342, 46.8643**.

A 20% lighter version of the original color is **72.1463, 87.2875, 105.9742**, and **17.3031, 22.7155, 29.0637** is the 20% darker color. If you saturate the color by 10%, you get **35.8165, 46.6178, 59.3354**, and if you desaturate by 10%, it is **41.6663, 49.6335, 59.6099**.

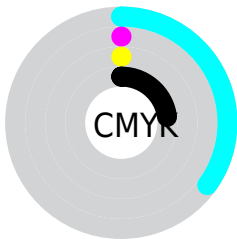
Distribution



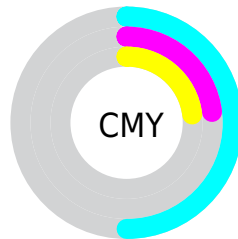
- Red (50%)
- Green (77%)
- Blue (77%)



- Red (50%)
- Yellow (64%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)




- Cyan (50%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4561, 47.9774, 59.4583 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 38.4561, 47.9774, 59.4583 by changing the saturation by 10% instead.


 38.4561, 47.9774,
59.4583


 38.4561, 47.9774,
59.4583

330.8196,
378.7025, 440.3473


 26.5157, 33.8090,
42.5597

 72.1061, 87.1708,
105.5791

 17.3445, 22.7469,
29.2110


 94.5464, 112.9645,
135.6385

 10.5773, 14.4067,
18.9935


 121.2173,
143.4021, 170.9218

 5.8485, 8.4041,
11.4888

152.4843,
178.8680, 211.8476

 2.7930, 4.3546,
6.2784

188.7127,
219.7466, 258.8346

 1.0453, 1.8738,
2.9436

230.2678,

 0.0000, 0.5326,

266.4223, 312.3011

1.0659

277.5150,
319.2795, 372.6659

■ 0.0000, 0.0000,
0.0000

■ 38.4561, 47.9774,
59.4583

■ 38.4561, 47.9774,
59.4583

■ 35.8165, 46.6178,
59.3354

■ 41.6663, 49.6335,
59.6099

■ 33.7104, 45.5321,
59.2365

■ 45.4734, 51.5961,
59.7885

■ 32.1025, 44.7032,
59.1609

■ 49.9070, 53.8817,
59.9963

■ 30.9519, 44.1101,
59.1067

■ 54.9935, 56.5039,
60.2347

■ 30.2111, 43.7282,
59.0716

■ 60.7578, 59.4755,
60.5049

■ 29.8220, 43.5276,
59.0531

■ 67.2236, 62.8087,
60.8078

■ 29.7043, 43.4669,
59.0474

■ 70.9452, 64.7273,
60.9824

■ 70.9453, 64.7273,
60.9827

■ 70.9453, 64.7273,
60.9831

Harmonies

Analogous

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



38.2830, 47.9774, 47.5532



38.4561, 47.9774, 59.4583



40.4705, 47.9774, 70.9068

Triad

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



38.4561, 47.9774, 59.4583



51.7230, 47.9774, 69.0597



47.3097, 47.9774, 33.0415

Complementary

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



38.4561, 47.9774, 59.4583



34.1867, 28.4481, 23.7696

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.



51.1479, 47.9774, 37.1743



38.4561, 47.9774, 59.4583



53.7970, 47.9774, 57.2234

Square

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



38.4561, 47.9774, 59.4583



48.0566, 47.9774, 76.9990



53.5804, 47.9774, 45.6295



43.2306, 47.9774, 33.4532

Rectangle

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



38.4561, 47.9774, 59.4583



42.6591, 47.9774, 76.1986



53.5804, 47.9774, 45.6295



48.6753, 47.9774, 33.9160

Sweetspot

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



38.4575, 47.9793, 59.4594



85.4726, 95.0627, 108.4510



32.4968, 45.6149, 27.1714



18.0636, 20.2282, 23.2022



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.



38.4575, 47.9793, 59.4594



66.0041, 85.0264, 107.5378



31.7527, 34.5693, 57.2257



10.3686, 11.4285, 12.9442



19.0855, 27.9283, 37.9391



0.8246, 1.2067, 1.6393

Inverse Universe

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



34.1867, 28.4481, 23.7696



57.1519, 44.5435, 33.5624



39.2290, 38.5329, 25.4496



10.0732, 10.0779, 10.4763



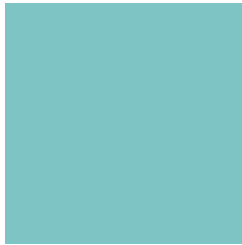
14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 38.4561, 47.9774, 59.4583 looks on a white background.

Color Contrast Check

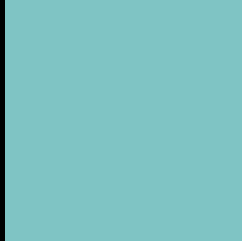
Large Text (above 18pt) WCAG AA × Fail

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 38.4561, 47.9774, 59.4583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

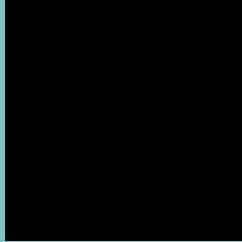
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4561, 47.9774, 59.4583

Background



This preview shows how black text looks on a background with the XYZ color 38.4561, 47.9774, 59.4583.

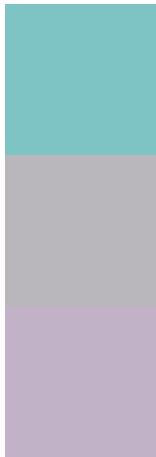


This preview shows how white text looks on a background with the XYZ color 38.4561, 47.9774,

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

38.4561, 47.9774, 59.4583

Protanopia

45.8126, 47.4010, 54.3117

Deuteranopia

48.5939, 47.4803, 61.2470



Tritanopia

40.1306, 47.9825, 68.1192

Trichromacy



Original Color

38.4561, 47.9774, 59.4583

Protanomaly

42.4841, 47.1947, 56.1606

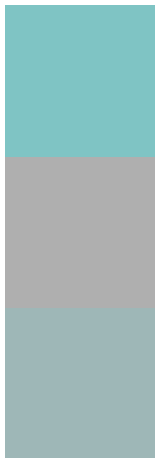
Deuteranomaly

44.2353, 47.3675, 60.8442

Tritanomaly

39.5878, 48.1051, 64.9563

Monochromacy



Original Color

38.4561, 47.9774, 59.4583

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.5813, 44.5550, 51.3136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4561, 47.9774, 59.4583 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(127, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(127, 196, 196)  
}
```

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(127, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.4561, 47.9774, 59.4583 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(127, 196, 196) }
```


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

```
.border{ border-color:rgb(127, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(127, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4561, 47.9774, 59.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 196, 196) }
```

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

```
.background{ background-color: rgb(127,  
196, 196) }
```

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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