

Converting Colors

XYZ(28.7389, 37.4497, 48.8780)

Have a look what the booklet for
XYZ(28.7389, 37.4497, 48.8780)
contains.

XYZ(28.7747, 37.5158, 48.9047)	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(28.7747, 37.5158,
48.9047)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB2B4
RGB	94, 178, 180
RGB Percent	37%, 70%, 71%
CMY	0.6314, 0.3019, 0.2941
CMYK	0.48, 0.01, 0.00, 0.29
HSL	181°, 36%, 54%
HSV	181°, 48%, 71%
XYZ	28.7747, 37.5158, 48.9047
YIQ	153.1120, -50.7060, -17.1860

Conversions

Conversions Part 2

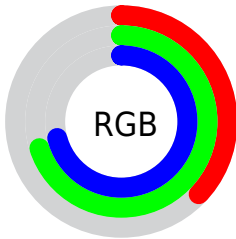
Format	Color
RYB	94, 136, 180
Decimal	6206132
CIELab	67.66, -24.88, -8.92
CIELCh	68, 26.431, 199.724
Yxy	37.5158, 0.2498, 0.3257
Android (android.graphics.Color)	4284396212 (0xFF5EB2B4)
YUV	153.1120, 13.2558, -51.8412
Hunter-Lab	61.2501, -23.3302, -4.4645

Details

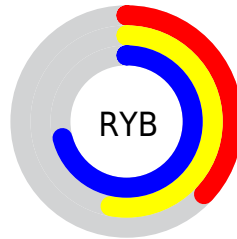
The XYZ color **28.7747, 37.5158, 48.9047** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.0262, 18.8777, 12.9152**, and the grayscale version is **30.2879, 31.8652, 34.7012**.

A 20% lighter version of the original color is **57.1408, 71.3858, 90.1241**, and **11.7916, 16.5229, 22.6464** is the 20% darker color. If you saturate the color by 10%, you get **27.0570, 36.5078, 48.8013**, and if you desaturate by 10%, it is **30.9253, 38.7491, 49.0301**.

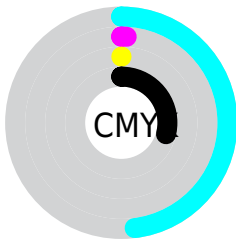
Distribution



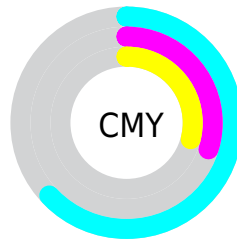
- Red (37%)
- Green (70%)
- Blue (71%)



- Red (37%)
- Yellow (53%)
- Blue (71%)



- Cyan (48%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)



- Cyan (63%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7747, 37.5158, 48.9047 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 28.7747, 37.5158, 48.9047 by changing the saturation by 10% instead.

■ 28.7747, 37.5158,
48.9047

■ 28.7747, 37.5158,
48.9047

288.1639,
335.5383, 398.9787

■ 19.0539, 25.6071,
34.1788

■ 57.1190, 71.3654,
89.9294

■ 11.8135, 16.5299,
22.7525

■ 76.4731, 94.0750,
117.0653

■ 6.6881, 9.8999,
14.2073

■ 99.7691, 121.1538,
149.1750

■ 3.3124, 5.3327,
8.1246

■ 127.3723,
152.9861, 186.6770

■ 1.3210, 2.4437,
4.0859

159.6480,
189.9563, 229.9898

■ 0.1989, 0.8483,
1.6726

196.9616,

■ 0.0000, 0.0000,

232.4488, 279.5320

0.3418

239.6784,
280.8480, 335.7221

■ 0.0000, 0.0000,
0.0000

■ 28.7747, 37.5158,
48.9047

■ 28.7747, 37.5158,
48.9047

■ 27.0570, 36.5078,
48.8013

■ 30.9253, 38.7491,
49.0301

■ 25.7386, 35.7052,
48.7159

■ 33.5328, 40.2174,
49.1760

■ 24.7860, 35.0915,
48.6477

■ 36.6236, 41.9352,
49.3447

■ 24.1595, 34.6463,
48.5947

■ 40.2210, 43.9146,
49.5372

■ 23.7966, 34.3374,
48.5542

■ 44.3468, 46.1668,
49.7544

■ 23.7282, 34.2751,
48.5458

■ 49.0215, 48.7023,
49.9974

■ 54.2647, 51.5312,
50.2671

■ 60.0947, 54.6631,
50.5644

■ 66.1586, 57.9159,
50.8726

Harmonies

Analogous

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



28.4860, 37.5158, 36.9721



28.7747, 37.5158, 48.9047



30.8254, 37.5158, 60.4861

Triad

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



28.7747, 37.5158, 48.9047



41.9801, 37.5158, 57.1519



37.0747, 37.5158, 22.4982

Complementary

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



28.7747, 37.5158, 48.9047



25.0262, 18.8777, 12.9152

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.



40.9702, 37.5158, 26.0003



28.7747, 37.5158, 48.9047



43.9421, 37.5158, 44.9864

Square

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



28.7747, 37.5158, 48.9047



38.3697, 37.5158, 65.8407



43.5590, 37.5158, 33.7292



33.0765, 37.5158, 23.1475

Rectangle

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



28.7747, 37.5158, 48.9047



33.0090, 37.5158, 65.7390



43.5590, 37.5158, 33.7292



38.4443, 37.5158, 23.1982

Sweetspot

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



28.7758, 37.5173, 48.9056



68.6052, 77.2504, 89.5895



23.0234, 35.8571, 16.6385



14.5389, 16.5371, 19.3480



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.7758, 37.5173, 48.9056



49.0050, 66.1630, 88.4825



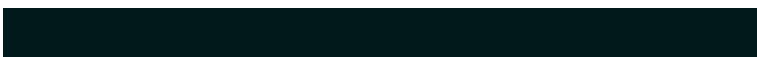
21.5984, 23.1624, 46.5131



8.7254, 9.5970, 10.8989



16.5678, 23.9359, 33.8839



0.5266, 0.7637, 1.0679

Inverse Universe

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



30.8619, 20.9240, 44.5333



53.2644, 32.6753, 79.4666



29.9943, 28.8139, 14.5713



8.8413, 8.6433, 10.6629



18.5973, 8.9565, 29.3691



0.5878, 0.2829, 0.9381

Previews

White Background



This preview shows how the XYZ color 28.7747, 37.5158, 48.9047 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 28.7747, 37.5158, 48.9047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

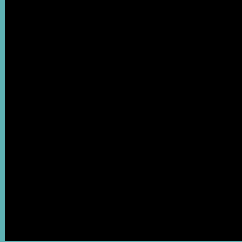
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7747, 37.5158, 48.9047

Background



This preview shows how black text looks on a background with the XYZ color 28.7747, 37.5158, 48.9047.



This preview shows how white text looks on a background with the XYZ color 28.7747, 37.5158,

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

28.7747, 37.5158, 48.9047

Protanopia

35.9649, 37.1340, 43.8001

Deuteranopia

37.8001, 37.1484, 50.5255



Tritanopia

29.8591, 37.3536, 54.9264

Trichromacy



Original Color

28.7747, 37.5158, 48.9047

Protanomaly

32.2901, 36.5502, 45.3974

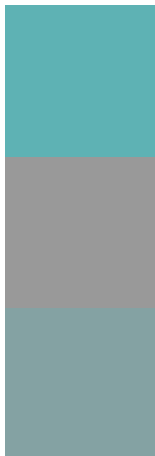
Deuteranomaly

33.5213, 36.8071, 50.1375

Tritanomaly

29.5157, 37.5189, 52.6999

Monochromacy



Original Color

28.7747, 37.5158, 48.9047

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.0469, 33.3905, 39.5644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7747, 37.5158, 48.9047 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(94, 178, 180)` looks like.

```
.text, #text, p{  
    color:rgb(94, 178, 180)  
}
```

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(94, 178, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 178, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.7747, 37.5158, 48.9047 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(94, 178, 180) }
```


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

```
.border{ border-color:rgb(94, 178, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 178, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 178, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 178, 180);  
box-shadow:4px 4px 4px 4px rgb(94, 178,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7747, 37.5158, 48.9047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 178, 180) }
```

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

```
.background{ background-color: rgb(94, 178,  
180) }
```

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