

Converting Colors

XYZ(27.8681, 33.9167, 48.7938)

Have a look what the booklet for
XYZ(27.8681, 33.9167, 48.7938)
contains.

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Color

**XYZ(27.8681, 33.9167,
48.7938)**

Conversions

Conversions Part 1

Format	Color
Hex	68A7B5
RGB	104, 167, 181
RGB Percent	41%, 65%, 71%
CMY	0.5921, 0.3451, 0.2902
CMYK	0.43, 0.08, 0.00, 0.29
HSL	191°, 34%, 56%
HSV	191°, 43%, 71%
XYZ	27.8681, 33.9167, 48.7938
YIQ	149.7590, -42.0420, -9.0020

Conversions

Conversions Part 2

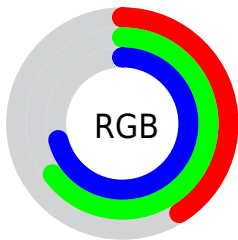
Format	Color
RYB	104, 139, 181
Decimal	6858677
CIELab	64.90, -16.52, -13.57
CIElCh	65, 21.382, 219.403
Yxy	33.9167, 0.2520, 0.3067
Android (android.graphics.Color)	4285048757 (0xFF68A7B5)
YUV	149.7590, 15.4018, -40.1306
Hunter-Lab	58.2380, -16.5007, -8.9085

Details

The XYZ color **27.8681, 33.9167, 48.7938** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0337, 23.7805, 16.2101**, and the grayscale version is **28.8378, 30.3396, 33.0398**.

A 20% lighter version of the original color is **55.7054, 65.7279, 89.8715**, and **11.2936, 14.4729, 22.6204** is the 20% darker color. If you saturate the color by 10%, you get **25.3935, 31.7582, 48.5082**, and if you desaturate by 10%, it is **30.8111, 36.3410, 49.1072**.

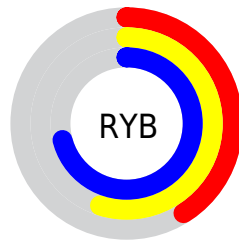
Distribution



Red (41%)

Green (65%)

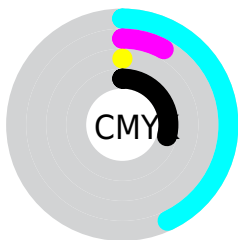
Blue (71%)



Red (41%)

Yellow (55%)

Blue (71%)

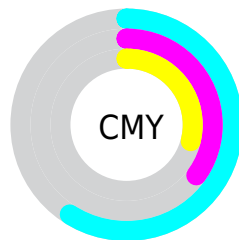


Cyan (43%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (59%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8681, 33.9167, 48.7938 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 27.8681, 33.9167, 48.7938 by changing the saturation by 10% instead.

■ 27.8681, 33.9167,
48.7938

■ 27.8681, 33.9167,
48.7938

283.9276,
319.7605, 398.5291

■ 18.3662, 22.8296,
34.0915

■ 55.6839, 65.8041,
89.7629

■ 11.3145, 14.4677,
22.6860

■ 74.7285, 87.3732,
116.8668

■ 6.3476, 8.4467,
14.1587

■ 97.6848, 113.2051,
148.9417

■ 3.1003, 4.3821,
8.0911

■ 124.9180,
143.6842, 186.4060

■ 1.2070, 1.8895,
4.0647

156.7935,
179.1949, 229.6784

■ 0.1119, 0.5421,
1.6609

193.6767,

■ 0.0000, 0.0000,

220.1216, 279.1774

0.3337

235.9330,
266.8486, 335.3214

■ 0.0000, 0.0000,
0.0000

■ 27.8681, 33.9167,
48.7938

■ 27.8681, 33.9167,
48.7938

■ 25.3935, 31.7582,
48.5082

■ 30.8111, 36.3410,
49.1072

■ 23.3548, 29.8463,
48.2466

■ 34.2459, 39.0410,
49.4473

■ 21.7206, 28.1652,
48.0083

■ 38.1983, 42.0309,
49.8161

■ 20.4533, 26.6957,
47.7914

■ 42.6911, 45.3227,
50.2147

■ 19.5084, 25.4144,
47.5939

■ 47.7459, 48.9276,
50.6441

■ 18.9455, 24.5460,
47.4559

■ 53.3829, 52.8563,
51.1053

■ 59.6215, 57.1188,
51.5993

■ 66.4801, 61.7248,
52.1268

■ 69.4602, 64.3555,
52.4775

Harmonies

Analogous

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



26.7329, 33.9167, 39.7745



27.8681, 33.9167, 48.7938



30.1952, 33.9167, 55.2187

Triad

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



27.8681, 33.9167, 48.7938



38.1129, 33.9167, 43.2324



31.2776, 33.9167, 22.5800

Complementary

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



27.8681, 33.9167, 48.7938



28.0337, 23.7805, 16.2101

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.



34.3684, 33.9167, 23.2033



27.8681, 33.9167, 48.7938



38.4486, 33.9167, 34.2236

Square

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



27.8681, 33.9167, 48.7938



36.1497, 33.9167, 51.6692



37.0398, 33.9167, 27.1635



28.6170, 33.9167, 25.2991

Rectangle

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



27.8681, 33.9167, 48.7938



32.1751, 33.9167, 56.6493



37.0398, 33.9167, 27.1635



32.2986, 33.9167, 22.4167

Sweetspot

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



27.8691, 33.9180, 48.7946



67.9021, 74.8962, 89.1722



25.4346, 37.2719, 22.6328



14.3279, 15.9272, 19.2413



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.



27.8691, 33.9180, 48.7946



45.7580, 57.1292, 86.9099



21.9886, 22.1568, 46.8344



8.6087, 9.3636, 10.8600



13.1068, 17.0140, 32.7302



0.4466, 0.6037, 1.0412

Inverse Universe

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



30.9823, 22.5153, 39.2736



52.2455, 34.6415, 66.7830



33.3323, 34.3778, 17.9763



8.7824, 8.6197, 10.3527



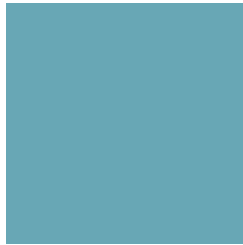
16.8504, 8.2577, 20.1698



0.5474, 0.2667, 0.7255

Previews

White Background



This preview shows how the XYZ color 27.8681, 33.9167, 48.7938 looks on a white background.

Color Contrast Check

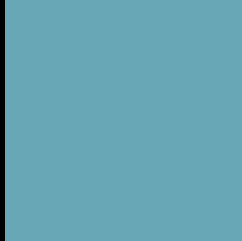
Large Text (above 18pt) WCAG AA × Fail

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 27.8681, 33.9167, 48.7938 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 27.8681, 33.9167, 48.7938

Background



This preview shows how black text looks on a background with the XYZ color 27.8681, 33.9167, 48.7938.



This preview shows how white text looks on a background with the XYZ color 27.8681, 33.9167,

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

27.8681, 33.9167, 48.7938

Protanopia

33.0460, 33.8015, 44.8270

Deuteranopia

34.3410, 33.6141, 50.0256



Tritanopia

27.8681, 33.9167, 48.7938

Trichromacy



Original Color

27.8681, 33.9167, 48.7938

Protanomaly

30.6600, 33.5502, 46.4549

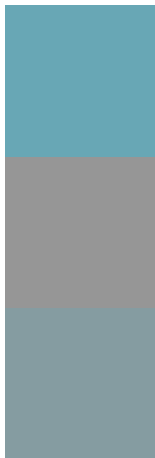
Deuteranomaly

31.4216, 33.3616, 49.5831

Tritanomaly

27.8681, 33.9167, 48.7938

Monochromacy



Original Color

27.8681, 33.9167, 48.7938

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.9944, 31.3367, 38.2913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8681, 33.9167, 48.7938 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(104, 167, 181)` looks like.

```
.text, #text, p{  
    color:rgb(104, 167, 181)  
}
```

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(104, 167, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 167, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.8681, 33.9167, 48.7938 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(104, 167, 181) }
```


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

```
.border{ border-color:rgb(104, 167, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 167, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 167, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 167, 181);  
box-shadow:4px 4px 4px 4px rgb(104, 167,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8681, 33.9167, 48.7938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 167, 181) }
```

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

```
.background{ background-color: rgb(104,  
167, 181) }
```

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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