

Converting Colors

XYZ(27.8815, 38.7866, 40.3826)

Have a look what the booklet for
XYZ(27.8815, 38.7866, 40.3826)
contains.

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Color

**XYZ(27.8687, 38.7509,
40.1933)**

Conversions

Conversions Part 1

Format	Color
Hex	5CB7A2
RGB	92, 183, 162
RGB Percent	36%, 72%, 64%
CMY	0.6392, 0.2823, 0.3647
CMYK	0.50, 0.00, 0.11, 0.28
HSL	166°, 39%, 54%
HSV	166°, 50%, 72%
XYZ	27.8687, 38.7509, 40.1933
YIQ	153.3970, -47.4950, -25.8230

Conversions

Conversions Part 2

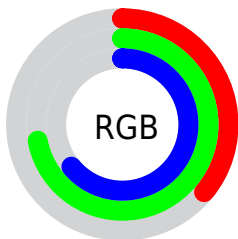
Format	Color
RYB	92, 143, 183
Decimal	6076322
CIELab	68.57, -32.36, 2.34
CIELCh	69, 32.441, 175.862
Yxy	38.7509, 0.2609, 0.3628
Android (android.graphics.Color)	4284266402 (0xFF5CB7A2)
YUV	153.3970, 4.2413, -53.8452
Hunter-Lab	62.2502, -29.0255, 5.2932

Details

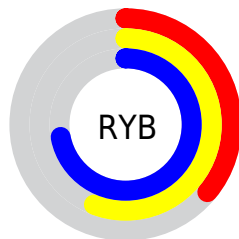
The XYZ color **27.8687, 38.7509, 40.1933** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.3375, 18.9148, 17.8870**, and the grayscale version is **30.4491, 32.0348, 34.8859**.

A 20% lighter version of the original color is **55.6036, 73.0387, 76.8129**, and **11.2298, 17.1176, 17.4640** is the 20% darker color. If you saturate the color by 10%, you get **25.8878, 37.7733, 38.1742**, and if you desaturate by 10%, it is **30.3060, 39.9642, 42.3013**.

Distribution



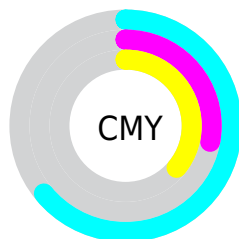
- Red (36%)
- Green (72%)
- Blue (64%)



- Red (36%)
- Yellow (56%)
- Blue (72%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (28%)





- Cyan (64%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8687, 38.7509, 40.1933 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 27.8687, 38.7509, 40.1933 by changing the saturation by 10% instead.


 27.8687, 38.7509,
40.1933

 27.8687, 38.7509,
40.1933


283.9305,
340.8303, 362.5139


 18.3667, 26.5660,
27.3744


 55.6849, 73.2576,
76.6981


 11.3148, 17.2475,
17.6197

 74.7297, 96.3482,
101.2210

 6.3479, 10.4111,
10.5107


 97.6861, 123.8429,
130.4823

 3.1004, 5.6724,
5.6288

 124.9196,
156.1259, 164.9006

 1.2071, 2.6469,
2.5556

156.7954,
193.5818, 204.8943

 0.1119, 0.9503,
0.8694

193.6789,

 0.0000, 0.0000,

236.5949, 250.8821

0.0000

235.9355,
285.5496, 303.2825

■ 27.8687, 38.7509,
40.1933

■ 27.8687, 38.7509,
40.1933

■ 25.8878, 37.7733,
38.1742

■ 30.3060, 39.9642,
42.3013

■ 24.3275, 37.0102,
36.2392

■ 33.2255, 41.4237,
44.4974

■ 23.1521, 36.4440,
34.3867

■ 36.6552, 43.1447,
46.7845

■ 22.3180, 36.0524,
32.6141

■ 40.6198, 45.1400,
49.1644

■ 21.7395, 35.7912,
30.9167

■ 45.1425, 47.4214,
51.6386

■ 21.7246, 35.7845,
30.8711

■ 50.2449, 50.0002,
54.2089

■ 55.9476, 52.8869,
56.8768

■ 62.2702, 56.0916,
59.6437

■ 68.6010, 59.2990,
62.4816

Harmonies

Analogous

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



29.2775, 38.7509, 28.2801



27.8687, 38.7509, 40.1933



28.6728, 38.7509, 55.7080

Triad

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



27.8687, 38.7509, 40.1933



41.2895, 38.7509, 72.9465



42.6301, 38.7509, 22.9129

Complementary

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



27.8687, 38.7509, 40.1933



26.3375, 18.9148, 17.8870

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.



46.4076, 38.7509, 31.0626



27.8687, 38.7509, 40.1933



45.5846, 38.7509, 60.0527

Square

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



27.8687, 38.7509, 40.1933



36.1265, 38.7509, 76.9755



47.5355, 38.7509, 44.2582



37.5458, 38.7509, 19.8766

Rectangle

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



27.8687, 38.7509, 40.1933



30.3994, 38.7509, 65.8025



47.5355, 38.7509, 44.2582



44.1126, 38.7509, 25.0378

Sweetspot

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



27.8698, 38.7524, 40.1942



68.7051, 78.8068, 85.6751



25.7065, 38.1675, 16.1381



14.8525, 17.2438, 18.7264



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.8698, 38.7524, 40.1942



45.9689, 67.4553, 67.9201



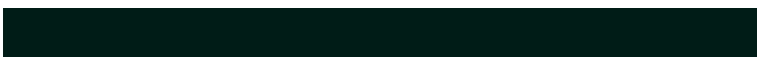
25.3144, 30.4002, 49.3351



9.1756, 10.1742, 11.0821



15.1821, 24.9738, 21.6787



0.5572, 0.8892, 0.8801

Inverse Universe

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



26.3375, 18.9148, 17.8870



42.9312, 27.7402, 23.4099



27.7376, 23.3935, 13.1794



9.0873, 9.0453, 9.8069



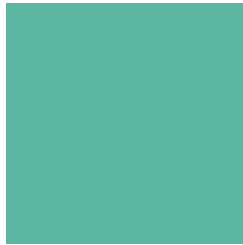
13.9403, 7.1499, 2.3063



0.5157, 0.2618, 0.2092

Previews

White Background



This preview shows how the XYZ color 27.8687, 38.7509, 40.1933 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 27.8687, 38.7509, 40.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

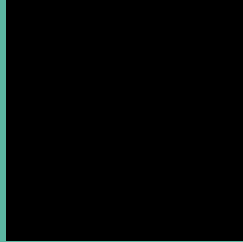
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

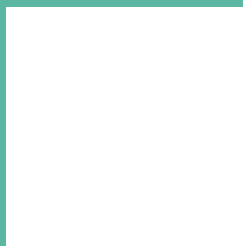
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8687, 38.7509, 40.1933

Background



This preview shows how black text looks on a background with the XYZ color 27.8687, 38.7509, 40.1933.



This preview shows how white text looks on a background with the XYZ color 27.8687, 38.7509,

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

27.8687, 38.7509, 40.1933

Protanopia

36.3992, 38.3430, 35.6195

Deuteranopia

39.0113, 38.2248, 41.8812



Tritanopia

31.1126, 38.8572, 56.3125

Trichromacy



Original Color

27.8687, 38.7509, 40.1933



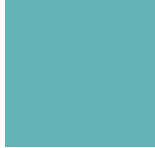
Protanomaly

32.0810, 37.7450, 37.0472



Deuteranomaly

33.3739, 37.4821, 41.0731



Tritanomaly

29.8018, 38.6166, 50.1390

Monochromacy



Original Color

27.8687, 38.7509, 40.1933



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.6363, 33.7765, 36.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8687, 38.7509, 40.1933 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(92, 183, 162)` looks like.

```
.text, #text, p{  
    color:rgb(92, 183, 162)  
}
```

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(92, 183, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 183, 162) }
```

Border

The CSS property to change the border of an element to XYZ 27.8687, 38.7509, 40.1933 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(92, 183, 162) }
```


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

```
.border{ border-color:rgb(92, 183, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 183, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 183, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 183, 162);  
box-shadow:4px 4px 4px 4px rgb(92, 183,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8687, 38.7509, 40.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 183, 162) }
```

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

```
.background{ background-color: rgb(92, 183,  
162) }
```

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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