

Converting Colors

XYZ(29.9256, 38.1643, 47.4381)

Have a look what the booklet for
XYZ(29.9256, 38.1643, 47.4381)
contains.

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Color

**XYZ(29.9196, 38.1409,
47.3800)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB2B1
RGB	107, 178, 177
RGB Percent	42%, 70%, 69%
CMY	0.5804, 0.3019, 0.3059
CMYK	0.40, 0.00, 0.01, 0.30
HSL	179°, 32%, 56%
HSV	179°, 40%, 70%
XYZ	29.9196, 38.1409, 47.3800
YIQ	156.6570, -41.9950, -15.3630

Conversions

Conversions Part 2

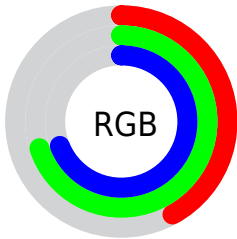
Format	Color
RYB	107, 143, 178
Decimal	7058097
CIELab	68.12, -22.48, -6.51
CIELCh	68, 23.402, 196.164
Yxy	38.1409, 0.2592, 0.3304
Android (android.graphics.Color)	4285248177 (0xFF6BB2B1)
YUV	156.6570, 10.0291, -43.5492
Hunter-Lab	61.7583, -21.6005, -2.2555

Details

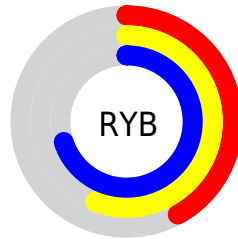
The XYZ color **29.9196, 38.1409, 47.3800** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.3259, 21.0642, 16.8670**, and the grayscale version is **31.8646, 33.5241, 36.5077**.

A 20% lighter version of the original color is **59.0311, 72.4102, 87.9561**, and **12.4515, 16.8780, 22.0035** is the 20% darker color. If you saturate the color by 10%, you get **27.9712, 37.1403, 47.1591**, and if you desaturate by 10%, it is **32.3108, 39.3716, 47.6236**.

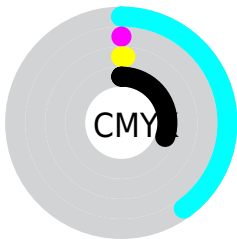
Distribution



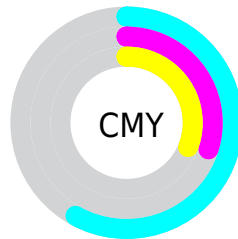
- Red (42%)
- Green (70%)
- Blue (69%)



- Red (42%)
- Yellow (56%)
- Blue (70%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)



- Cyan (58%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9196, 38.1409, 47.3800 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 29.9196, 38.1409, 47.3800 by changing the saturation by 10% instead.

■ 29.9196, 38.1409,
47.3800

■ 29.9196, 38.1409,
47.3800

293.4461,
338.2240, 392.7669

■ 19.9253, 26.0921,
32.9797

■ 58.9225, 72.3240,
87.6365

■ 12.4487, 16.8925,
21.8399

■ 78.6619, 95.2272,
114.3297

■ 7.1244, 10.1579,
13.5421

■ 102.3803,
122.5171, 145.9576

■ 3.5871, 5.5038,
7.6678

■ 130.4432,
154.5784, 182.9388

■ 1.4713, 2.5458,
3.7984

163.2158,
191.7953, 225.6918

■ 0.3062, 0.8995,
1.5154

201.0636,

■ 0.0000, 0.0000,

234.5523, 274.6351

0.2294

244.3519,
283.2337, 330.1873

■ 0.0000, 0.0000,
0.0000

■ 29.9196, 38.1409,
47.3800

■ 29.9196, 38.1409,
47.3800

■ 27.9712, 37.1403,
47.1591

■ 32.3108, 39.3716,
47.6236

■ 26.4351, 36.3513,
46.9568

■ 35.1663, 40.8408,
47.8883

■ 25.2821, 35.7598,
46.7728

■ 38.5104, 42.5618,
48.1761

■ 24.4778, 35.3480,
46.6053

■ 42.3645, 44.5458,
48.4880

■ 23.9818, 35.0952,
46.4524

■ 46.7489, 46.8031,
48.8249

■ 23.7101, 34.9579,
46.3103

■ 51.6827, 49.3437,
49.1879

■ 23.7073, 34.9565,
46.3088

■ 57.1841, 52.1768,
49.5776

■ 63.2704, 55.3115,
49.9949

■ 65.3242, 56.3673,
50.2238

Harmonies

Analogous

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



29.8547, 38.1409, 36.9048



29.9196, 38.1409, 47.3800



31.6046, 38.1409, 57.7816

Triad

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



29.9196, 38.1409, 47.3800



41.5540, 38.1409, 57.0650



37.9564, 38.1409, 24.9088

Complementary

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



29.9196, 38.1409, 47.3800



26.3259, 21.0642, 16.8670

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.



41.3336, 38.1409, 28.6513



29.9196, 38.1409, 47.3800



43.5030, 38.1409, 46.5241

Square

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



29.9196, 38.1409, 47.3800



38.2410, 38.1409, 63.9824



43.4197, 38.1409, 36.1806



34.3327, 38.1409, 25.0594

Rectangle

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



29.9196, 38.1409, 47.3800



33.4886, 38.1409, 62.7630



43.4197, 38.1409, 36.1806



39.1629, 38.1409, 25.7221

Sweetspot

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



29.9207, 38.1424, 47.3809



68.3453, 76.4143, 87.2361



24.7820, 36.1035, 19.5733



14.9644, 16.8382, 19.3121



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.



29.9207, 38.1424, 47.3809



51.0593, 67.5223, 85.5576



24.0258, 26.1921, 45.9104



8.7374, 9.6294, 10.8767



16.9642, 25.0117, 33.1442



0.5354, 0.7876, 1.0515

Inverse Universe

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



26.3259, 21.0642, 16.8670



43.6194, 32.1689, 22.3999



30.5869, 29.6711, 18.0257



8.5011, 8.5071, 8.8711



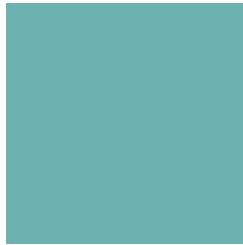
13.1487, 6.7770, 0.6771



0.4153, 0.2139, 0.0297

Previews

White Background



This preview shows how the XYZ color 29.9196, 38.1409, 47.3800 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 29.9196, 38.1409, 47.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

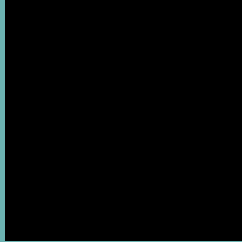
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

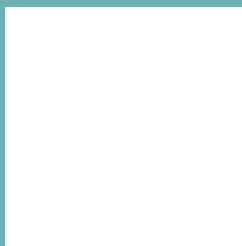
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9196, 38.1409, 47.3800

Background



This preview shows how black text looks on a background with the XYZ color 29.9196, 38.1409, 47.3800.

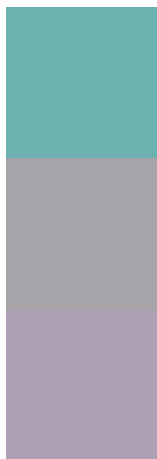


This preview shows how white text looks on a background with the XYZ color 29.9196, 38.1409,

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

29.9196, 38.1409, 47.3800

Protanopia

36.3732, 37.6310, 42.8825

Deuteranopia

38.5409, 37.8246, 48.9856



Tritanopia

31.3751, 38.1479, 54.4248

Trichromacy



Original Color

29.9196, 38.1409, 47.3800

Protanomaly

33.3114, 37.3742, 44.4880

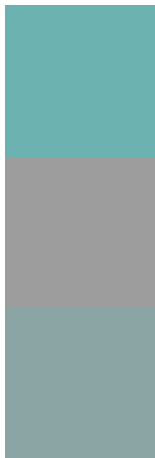
Deuteranomaly

34.6346, 37.4168, 48.5767

Tritanomaly

30.9095, 38.2621, 51.6552

Monochromacy



Original Color

29.9196, 38.1409, 47.3800

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.8034, 35.0796, 40.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9196, 38.1409, 47.3800 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(107, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 178, 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(107, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 178, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.9196, 38.1409, 47.3800 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(107, 178, 177) }
```


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

```
.border{ border-color:rgb(107, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 178,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9196, 38.1409, 47.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 178, 177) }
```

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

```
.background{ background-color: rgb(107,  
178, 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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