

Converting Colors

XYZ(30.0126, 38.3122, 48.1829)

Have a look what the booklet for
XYZ(30.0126, 38.3122, 48.1829)
contains.

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Color

**XYZ(29.9001, 38.1193,
47.9013)**

Conversions

Conversions Part 1

Format	Color
Hex	6AB2B2
RGB	106, 178, 178
RGB Percent	42%, 70%, 70%
CMY	0.5843, 0.3019, 0.3020
CMYK	0.40, 0.00, 0.00, 0.30
HSL	180°, 32%, 56%
HSV	180°, 40%, 70%
XYZ	29.9001, 38.1193, 47.9013
YIQ	156.4720, -42.9120, -15.2640

Conversions

Conversions Part 2

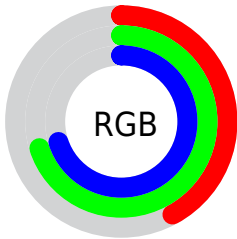
Format	Color
RYB	106, 142, 178
Decimal	6992562
CIELab	68.11, -22.48, -7.10
CIELCh	68, 23.575, 197.517
Yxy	38.1193, 0.2579, 0.3288
Android (android.graphics.Color)	4285182642 (0xFF6AB2B2)
YUV	156.4720, 10.6133, -44.2639
Hunter-Lab	61.7408, -21.6017, -2.7813

Details

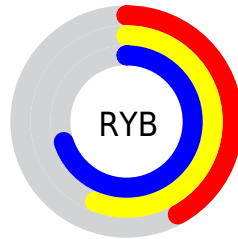
The XYZ color **29.9001, 38.1193, 47.9013** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.1169, 20.8147, 16.2781**, and the grayscale version is **31.7795, 33.4345, 36.4102**.

A 20% lighter version of the original color is **58.9720, 72.3632, 88.7012**, and **12.4005, 16.8517, 22.0012** is the 20% darker color. If you saturate the color by 10%, you get **28.0007, 37.1410, 47.8130**, and if you desaturate by 10%, it is **32.2408, 39.3269, 48.0119**.

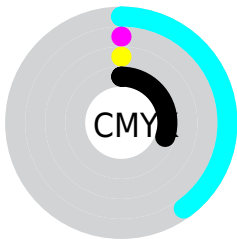
Distribution



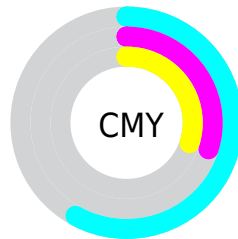
- Red (42%)
- Green (70%)
- Blue (70%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9001, 38.1193, 47.9013 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 29.9001, 38.1193, 47.9013 by changing the saturation by 10% instead.

■ 29.9001, 38.1193,
47.9013

■ 29.9001, 38.1193,
47.9013

293.3567,
338.1315, 394.8982

■ 19.9105, 26.0753,
33.3893

■ 58.8919, 72.2910,
88.4215

■ 12.4379, 16.8800,
22.1513

■ 78.6247, 95.1874,
115.2667

■ 7.1169, 10.1490,
13.7687

■ 102.3360,
122.4701, 147.0601

■ 3.5823, 5.4978,
7.8231

■ 130.3911,
154.5235, 184.2201

■ 1.4687, 2.5422,
3.8958

163.1554,
191.7319, 227.1654

■ 0.3044, 0.8977,
1.5684

200.9942,

■ 0.0000, 0.0000,

234.4798, 276.3145

0.2681

244.2728,
283.1515, 332.0859

■ 0.0000, 0.0000,
0.0000

■ 29.9001, 38.1193,
47.9013

■ 29.9001, 38.1193,
47.9013

■ 28.0007, 37.1410,
47.8130

■ 32.2408, 39.3269,
48.0119

■ 26.5118, 36.3735,
47.7430

■ 35.0445, 40.7723,
48.1434

■ 25.4042, 35.8025,
47.6910

■ 38.3355, 42.4688,
48.2977

■ 24.6433, 35.4102,
47.6551

■ 42.1352, 44.4276,
48.4758

■ 24.1880, 35.1755,
47.6335

■ 46.4641, 46.6592,
48.6786

■ 23.9567, 35.0563,
47.6225

■ 51.3413, 49.1735,
48.9071

■ 56.7851, 51.9799,
49.1621

■ 62.8127, 55.0873,
49.4445

■ 65.1975, 56.3166,
49.5563

Harmonies

Analogous

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



29.7590, 38.1193, 37.2818



29.9001, 38.1193, 47.9013



31.6641, 38.1193, 58.2956

Triad

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



29.9001, 38.1193, 47.9013



41.6979, 38.1193, 56.7331



37.7807, 38.1193, 24.7122

Complementary

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



29.9001, 38.1193, 47.9013



26.1169, 20.8147, 16.2781

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.



41.2177, 38.1193, 28.2950



29.9001, 38.1193, 47.9013



43.5799, 38.1193, 46.0366

Square

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



29.9001, 38.1193, 47.9013



38.4006, 38.1193, 63.9573



43.3984, 38.1193, 35.7058



34.1452, 38.1193, 25.0393

Rectangle

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



29.9001, 38.1193, 47.9013



33.5949, 38.1193, 63.1602



43.3984, 38.1193, 35.7058



39.0020, 38.1193, 25.4701

Sweetspot

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



29.9012, 38.1208, 47.9022



68.4010, 76.4366, 87.5292



24.6105, 36.0211, 19.2921



14.9780, 16.8437, 19.3838



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.



29.9012, 38.1208, 47.9022



50.9611, 67.4460, 86.7113



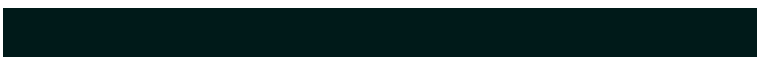
23.8334, 25.9848, 45.8806



8.7427, 9.6316, 10.9046



17.1407, 25.0822, 34.0731



0.5393, 0.7892, 1.0721

Inverse Universe

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



26.1169, 20.8147, 16.2781



43.1049, 31.5189, 21.0602



30.4584, 29.4977, 17.7248



8.4964, 8.5053, 8.8465



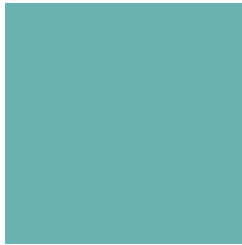
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 29.9001, 38.1193, 47.9013 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 29.9001, 38.1193, 47.9013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

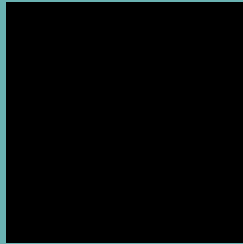
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9001, 38.1193, 47.9013

Background



This preview shows how black text looks on a background with the XYZ color 29.9001, 38.1193, 47.9013.

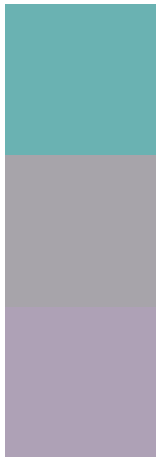


This preview shows how white text looks on a background with the XYZ color 29.9001, 38.1193,

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

29.9001, 38.1193, 47.9013

Protanopia

36.4675, 37.6687, 43.3789

Deuteranopia

38.6439, 37.8658, 49.5280



Tritanopia

31.1263, 38.0196, 54.4132

Trichromacy



Original Color

29.9001, 38.1193, 47.9013

Protanomaly

33.4078, 37.4128, 44.9958

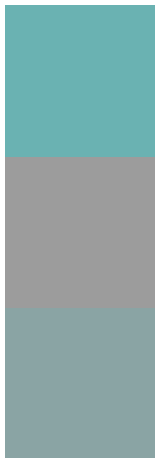
Deuteranomaly

34.5536, 37.3632, 49.1067

Tritanomaly

30.7694, 38.1776, 52.2017

Monochromacy



Original Color

29.9001, 38.1193, 47.9013

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.4575, 34.6345, 40.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9001, 38.1193, 47.9013 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(106, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(106, 178, 178)  
}
```

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(106, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 178, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.9001, 38.1193, 47.9013 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(106, 178, 178) }
```


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

```
.border{ border-color:rgb(106, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(106, 178,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9001, 38.1193, 47.9013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 178, 178) }
```

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

```
.background{ background-color: rgb(106,  
178, 178) }
```

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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