

# Converting Colors

XYZ(15.0466, 20.3278, 30.1397)

Have a look what the booklet for  
XYZ(15.0466, 20.3278, 30.1397)  
contains.

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# Color

**XYZ(15.0312, 20.2191,  
30.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C8892
RGB	44, 136, 146
RGB Percent	17%, 53%, 57%
CMY	0.8274, 0.4667, 0.4274
CMYK	0.70, 0.07, 0.00, 0.43
HSL	186°, 54%, 37%
HSV	186°, 70%, 57%
XYZ	15.0312, 20.2191, 30.3046
YIQ	109.6320, -58.0420, -16.3940

# Conversions

## Conversions Part 2

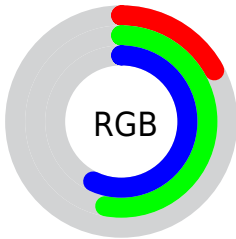
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 92, 146
Decimal	2918546
CIE <sub>Lab</sub>	52.08, -23.08, -13.19
CIE <sub>LCh</sub>	52, 26.583, 209.759
Yxy	20.2191, 0.2293, 0.3084
Android (android.graphics.Color)	4281108626 (0xFF2C8892)
YUV	109.6320, 17.9294, -57.5593
Hunter-Lab	44.9657, -19.0206, -8.4825

# Details

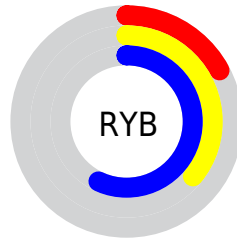
The XYZ color **15.0312, 20.2191, 30.3046** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6284, 8.9319, 3.3893**, and the grayscale version is **14.6788, 15.4432, 16.8177**.

A 20% lighter version of the original color is **34.5477, 43.9401, 61.3040**, and **5.4391, 7.5001, 12.2273** is the 20% darker color. If you saturate the color by 10%, you get **14.3108, 19.5509, 30.2140**, and if you desaturate by 10%, it is **15.9762, 21.0080, 30.4074**.

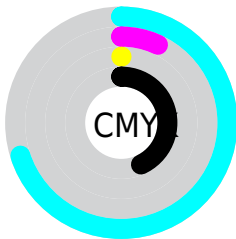
# Distribution



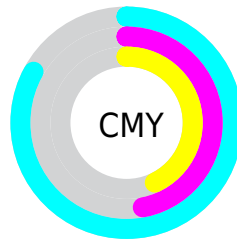
- Red (17%)
- Green (53%)
- Blue (57%)



- Red (17%)
- Yellow (36%)
- Blue (57%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (43%)



- Cyan (83%)
- Magenta (47%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0312, 20.2191, 30.3046 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 15.0312, 20.2191, 30.3046 by changing the saturation by 10% instead.



15.0312, 20.2191,  
30.3046

15.0312, 20.2191,  
30.3046

216.9396,  
253.0988, 317.5731

8.9277, 12.5544,  
19.8159

34.4791, 43.7842,  
61.2102

4.7508, 7.1224,  
12.0785

48.5543, 60.4534,  
82.4643

2.1351, 3.5388,  
6.6740

66.0174, 80.8929,  
108.1438

0.7082, 1.4191,  
3.1837

87.2338, 105.4871,  
138.6674

0.0000, 0.2307,  
1.1892

112.5689,  
134.6204, 174.4536

0.0000, 0.0000,  
0.0000

142.3880,

168.6772, 215.9209

177.0564,  
208.0419, 263.4879

■ 15.0312, 20.2191,  
30.3046

■ 15.0312, 20.2191,  
30.3046

■ 14.3108, 19.5509,  
30.2140

■ 15.9762, 21.0080,  
30.4074

■ 13.7889, 18.9885,  
30.1329

■ 17.1648, 21.9260,  
30.5220

■ 13.4027, 18.5001,  
30.0590

■ 18.6161, 22.9834,  
30.6496

■ 13.3974, 18.4933,  
30.0580

■ 20.3467, 24.1889,  
30.7911

■ 22.3718, 25.5504,  
30.9471

■ 24.7057, 27.0750,  
31.1184

■ 27.3616, 28.7697,  
31.3055

■ 30.3519, 30.6410,  
31.5091

■ 33.6884, 32.6948,  
31.7297

# Harmonies

## Analogous

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



14.4541, 20.2191, 21.9524



15.0312, 20.2191, 30.3046



16.7057, 20.2191, 37.6290

# Triad

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



15.0312, 20.2191, 30.3046



24.0916, 20.2191, 30.4395



19.2396, 20.2191, 10.1901

# Complementary

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



15.0312, 20.2191, 30.3046



13.6284, 8.9319, 3.3893

# 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.



21.9696, 20.2191, 11.4571



15.0312, 20.2191, 30.3046



24.9273, 20.2191, 22.0780

# Square

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



15.0312, 20.2191, 30.3046



21.9281, 20.2191, 37.7189



24.1171, 20.2191, 15.3946



16.7403, 20.2191, 11.4165



# Rectangle

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



15.0312, 20.2191, 30.3046



18.3041, 20.2191, 40.2569



24.1171, 20.2191, 15.3946



20.1611, 20.2191, 10.3333

# Sweetspot

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



15.0318, 20.2199, 30.3051



38.8708, 44.6782, 54.5486



11.9494, 21.3462, 6.7994



8.4477, 9.8059, 12.1197



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



15.0318, 20.2199, 30.3051



24.6682, 33.8888, 53.2146



9.5956, 9.3474, 28.4930



5.9160, 6.4661, 7.4060



11.7986, 16.2919, 26.4538



0.1557, 0.2221, 0.3276



# Inverse Universe

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



17.1993, 9.6906, 24.2572



28.9394, 14.7421, 40.9369



17.2095, 16.0940, 4.5830



6.0111, 5.8995, 7.1644



14.0824, 6.8380, 19.7130

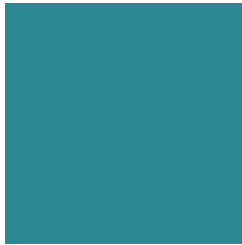


0.1781, 0.0860, 0.2714



# Previews

## White Background



This preview shows how the XYZ color 15.0312, 20.2191, 30.3046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0312, 20.2191, 30.3046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

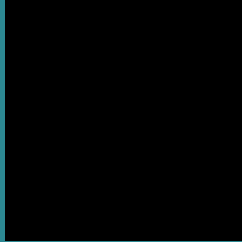
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 15.0312, 20.2191, 30.3046

## Background



This preview shows how black text looks on a background with the XYZ color 15.0312, 20.2191, 30.3046.



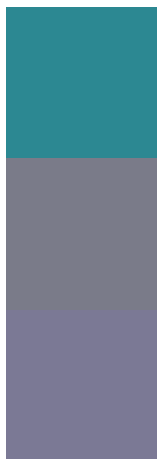
This preview shows how white text looks on a background with the XYZ color 15.0312, 20.2191,



# 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

15.0312, 20.2191, 30.3046

### Protanopia

19.6244, 20.1096, 26.5141

### Deuteranopia

20.4306, 20.0556, 31.2281



## Tritanopia

15.1528, 20.2728, 30.7182

# Trichromacy



## Original Color

15.0312, 20.2191, 30.3046

## Protanomaly

17.0689, 19.7115, 27.7160

## Deuteranomaly

17.4222, 19.4395, 30.8509

## Tritanomaly

15.1528, 20.2728, 30.7182

# Monochromacy



## Original Color

15.0312, 20.2191, 30.3046

## Achromatopsia

14.8208, 15.5926, 16.9804

## Achromatomaly

14.0097, 16.6021, 21.2050

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.0312, 20.2191, 30.3046 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(44, 136, 146)` looks like.

```
.text, #text, p{  
    color:rgb(44, 136, 146)  
}
```

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(44, 136, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 136, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 15.0312, 20.2191, 30.3046 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(44, 136, 146) }
```



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

```
.border{ border-color:rgb(44, 136, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 136, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 136, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 136, 146);  
box-shadow:4px 4px 4px 4px rgb(44, 136,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.0312, 20.2191, 30.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 136, 146) }
```

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

```
.background{ background-color: rgb(44, 136,  
146) }
```

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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