

Converting Colors

XYZ(20.1117, 30.5644, 16.8199)

Have a look what the booklet for
XYZ(20.1117, 30.5644, 16.8199)
contains.

XYZ(20.1435, 30.6322, 16.9075)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1435, 30.6322,
16.9075)**

Conversions

Conversions Part 1

Format	Color
Hex	58A764
RGB	88, 167, 100
RGB Percent	35%, 65%, 39%
CMY	0.6549, 0.3451, 0.6078
CMYK	0.47, 0.00, 0.40, 0.35
HSL	129°, 31%, 50%
HSV	129°, 47%, 65%
XYZ	20.1435, 30.6322, 16.9075
YIQ	135.7410, -25.5770, -37.5850

Conversions

Conversions Part 2

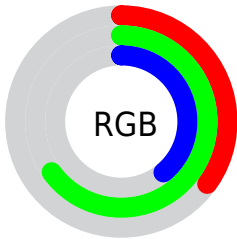
Format	Color
RYB	88, 157, 167
Decimal	5810020
CIELab	62.20, -38.95, 27.32
CIElCh	62, 47.574, 144.950
Yxy	30.6322, 0.2976, 0.4526
Android (android.graphics.Color)	4284000100 (0xFF58A764)
YUV	135.7410, -17.6203, -41.8689
Hunter-Lab	55.3464, -31.8904, 20.6302

Details

The XYZ color **20.1435, 30.6322, 16.9075** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.3435, 17.5622, 33.0657**, and the grayscale version is **23.3762, 24.5936, 26.7824**.

A 20% lighter version of the original color is **43.2105, 60.7931, 39.1626**, and **7.2022, 12.5739, 5.2962** is the 20% darker color. If you saturate the color by 10%, you get **18.1132, 29.6588, 13.5400**, and if you desaturate by 10%, it is **22.6567, 31.8425, 20.9211**.

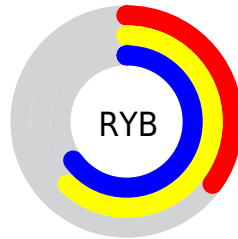
Distribution



Red (35%)

Green (65%)

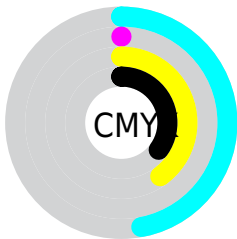
Blue (39%)



Red (35%)

Yellow (62%)

Blue (65%)

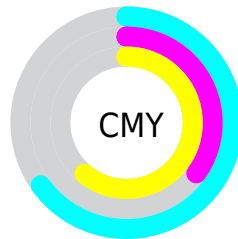


Cyan (47%)

Magenta (0%)

Yellow (40%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1435, 30.6322, 16.9075 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 20.1435, 30.6322, 16.9075 by changing the saturation by 10% instead.

■ 20.1435, 30.6322,
16.9075

■ 20.1435, 30.6322,
16.9075

245.5097,
304.8403, 246.6646

■ 12.6083, 20.3189,
10.0073

■ 43.1597, 60.6605,
38.9551

■ 7.2345, 12.6271,
5.2981

■ 59.3715, 81.1444,
54.9397

■ 3.6568, 7.1723,
2.3614

■ 79.2061, 105.7873,
74.7894

■ 1.5099, 3.5701,
0.7653

■ 103.0289,
134.9735, 98.9228

■ 0.3325, 1.4361,
0.0000

131.2053,
169.0875, 127.7585

■ 0.0000, 0.2431,
0.0000

164.1007,

■ 0.0000, 0.0000,

208.5138, 161.7150

0.0000

202.0804,
253.6365, 201.2109

■ 20.1435, 30.6322,
16.9075

■ 20.1435, 30.6322,
16.9075

■ 18.1132, 29.6588,
13.5400

■ 22.6567, 31.8425,
20.9211

■ 16.5322, 28.9032,
10.7829

■ 25.6789, 33.2998,
25.6099

■ 15.3663, 28.3493,
8.6002


■ 29.2371, 35.0184,
31.0038


■ 14.5753, 27.9772,
6.9510


■ 33.3555, 37.0102,
37.1302


■ 14.0997, 27.7572,
5.7889


■ 38.0572, 39.2865,
44.0152

 13.9987, 27.7103,
5.5514

 43.3637, 41.8579,
51.6835

 49.2955, 44.7344,
60.1587

 55.8721, 47.9256,
69.4633

 63.1121, 51.4407,
79.6192

Harmonies

Analogous

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



24.2180, 30.6322, 10.4900



20.1435, 30.6322, 16.9075



18.4800, 30.6322, 30.3405

Triad

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



20.1435, 30.6322, 16.9075



28.0431, 30.6322, 82.3358



41.7847, 30.6322, 20.5664

Complementary

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



20.1435, 30.6322, 16.9075



25.3435, 17.5622, 33.0657

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.



43.2034, 30.6322, 36.5591



20.1435, 30.6322, 16.9075



34.6312, 30.6322, 76.7013

Square

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



20.1435, 30.6322, 16.9075



22.5931, 30.6322, 71.4123



40.4189, 30.6322, 58.0176



36.7847, 30.6322, 11.9942

Rectangle

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



20.1435, 30.6322, 16.9075



18.7542, 30.6322, 43.3160



40.4189, 30.6322, 58.0176



42.7246, 30.6322, 25.0488

Sweetspot

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



20.1443, 30.6335, 16.9082



54.5022, 63.7490, 58.7307



29.1277, 35.3269, 14.5165



11.8668, 14.1064, 12.6497



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.1443, 30.6335, 16.9082



32.2061, 53.0038, 23.8535



22.5300, 31.5877, 29.4710



7.4815, 8.4256, 8.2556



10.7236, 21.2082, 4.3112



0.2742, 0.5213, 0.1752

Inverse Universe

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



25.3435, 17.5622, 33.0657



42.6643, 26.6542, 56.3122



22.5590, 16.4484, 18.4030



7.7922, 7.6467, 9.2230



15.9242, 7.7784, 20.2099



0.4002, 0.1944, 0.5592

Previews

White Background



This preview shows how the XYZ color 20.1435, 30.6322, 16.9075 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 20.1435, 30.6322, 16.9075 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 20.1435, 30.6322, 16.9075

Background



This preview shows how black text looks on a background with the XYZ color 20.1435, 30.6322, 16.9075.



This preview shows how white text looks on a background with the XYZ color 20.1435, 30.6322,

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

20.1435, 30.6322, 16.9075

Protanopia

27.8275, 30.0717, 14.6937

Deuteranopia

30.7841, 30.1505, 17.8328



Tritanopia

25.4577, 30.6796, 43.1081

Trichromacy



Original Color

20.1435, 30.6322, 16.9075



Protanomaly

24.1531, 29.8557, 15.5561



Deuteranomaly

25.4040, 29.4757, 17.4471



Tritanomaly

23.0682, 30.4817, 31.4558

Monochromacy



Original Color

20.1435, 30.6322, 16.9075



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.6166, 26.2194, 22.6604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1435, 30.6322, 16.9075 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(88, 167, 100)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 100)  
}
```

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(88, 167, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.1435, 30.6322, 16.9075 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(88, 167, 100) }
```


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

```
.border{ border-color:rgb(88, 167, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 100);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1435, 30.6322, 16.9075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 100) }
```

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

```
.background{ background-color: rgb(88, 167,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor