

Converting Colors

XYZ(20.3382, 29.9175, 18.8231)

Have a look what the booklet for
XYZ(20.3382, 29.9175, 18.8231)
contains.

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Color

**XYZ(20.2966, 29.8578,
18.8807)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA46C
RGB	91, 164, 108
RGB Percent	36%, 64%, 42%
CMY	0.6431, 0.3568, 0.5765
CMYK	0.45, 0.00, 0.34, 0.36
HSL	134°, 29%, 50%
HSV	134°, 45%, 64%
XYZ	20.2966, 29.8578, 18.8807
YIQ	135.7890, -25.5320, -32.8920

Conversions

Conversions Part 2

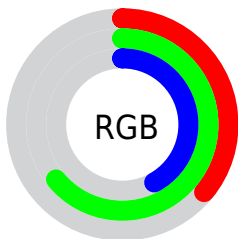
Format	Color
RYB	91, 150, 164
Decimal	6005868
CIELab	61.53, -35.33, 22.15
CIElCh	62, 41.697, 147.917
Yxy	29.8578, 0.2940, 0.4325
Android (android.graphics.Color)	4284195948 (0xFF5BA46C)
YUV	135.7890, -13.7000, -39.2800
Hunter-Lab	54.6423, -29.3211, 17.7630

Details

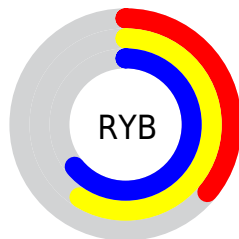
The XYZ color **20.2966, 29.8578, 18.8807** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.3183, 17.4818, 29.6974**, and the grayscale version is **23.3799, 24.5974, 26.7866**.

A 20% lighter version of the original color is **43.3537, 59.2208, 42.4035**, and **7.3727, 12.3079, 6.2620** is the 20% darker color. If you saturate the color by 10%, you get **18.2313, 28.8658, 15.5377**, and if you desaturate by 10%, it is **22.8134, 31.0731, 22.7505**.

Distribution



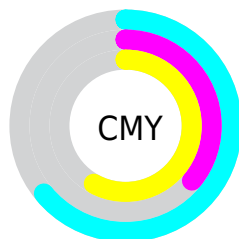
- Red (36%)
- Green (64%)
- Blue (42%)



- Red (36%)
- Yellow (59%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (36%)



- Cyan (64%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2966, 29.8578, 18.8807 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 20.2966, 29.8578, 18.8807 by changing the saturation by 10% instead.

■ 20.2966, 29.8578,
18.8807

■ 20.2966, 29.8578,
18.8807

246.3194,
301.2411, 258.1901

■ 12.7203, 19.7307,
11.4082

■ 43.4141, 59.4372,
42.3664

■ 7.3119, 12.1994,
6.2245

■ 59.6860, 79.6583,
59.2167

■ 3.7060, 6.8796,
2.9111

■ 79.5871, 104.0129,
80.0300

■ 1.5372, 3.3869,
1.0494

■ 103.4829,
132.8852, 105.2248

■ 0.3509, 1.3369,
0.0000

131.7387,
166.6599, 135.2196

■ 0.0000, 0.1695,
0.0000

164.7198,

■ 0.0000, 0.0000,

205.7211, 170.4331

0.0000

202.7916,
250.4534, 211.2838

■ 20.2966, 29.8578,
18.8807

■ 20.2966, 29.8578,
18.8807

■ 18.2313, 28.8658,
15.5377

■ 22.8134, 31.0731,
22.7505

■ 16.5878, 28.0797,
12.6968

■ 25.8045, 32.5204,
27.1666

■ 15.3364, 27.4856,
10.3342


■ 29.2938, 34.2125,
32.1498


■ 14.4424, 27.0661,
8.4232


■ 33.3028, 36.1601,
37.7193


■ 13.8642, 26.8004,
6.9346


■ 37.8520, 38.3733,
43.8933

 13.6290, 26.6933,
6.2841

 42.9605, 40.8618,
50.6892

 48.6467, 43.6344,
58.1240

 54.9279, 46.7000,
66.2136

 61.8210, 50.0667,
74.9736

Harmonies

Analogous

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



23.6904, 29.8578, 12.3568



20.2966, 29.8578, 18.8807



19.0320, 29.8578, 31.4168

Triad

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



20.2966, 29.8578, 18.8807



27.9946, 29.8578, 73.3739



38.8382, 29.8578, 20.2455

Complementary

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



20.2966, 29.8578, 18.8807



24.3183, 17.4818, 29.6974

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.



40.3731, 29.8578, 33.6284



20.2966, 29.8578, 18.8807



33.6485, 29.8578, 67.4820

Square

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



20.2966, 29.8578, 18.8807



23.1025, 29.8578, 65.6987



38.3642, 29.8578, 51.4937



34.4033, 29.8578, 12.9461

Rectangle

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



20.2966, 29.8578, 18.8807



19.4240, 29.8578, 42.7960



38.3642, 29.8578, 51.4937



39.7338, 29.8578, 24.0204

Sweetspot

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



20.2974, 29.8590, 18.8814



54.0407, 62.5210, 59.5773



27.4109, 33.6207, 14.9424



11.4994, 13.5154, 12.5817



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2974, 29.8590, 18.8814



33.2657, 52.4776, 28.4928



22.5727, 30.7692, 30.8629



7.0500, 7.9208, 7.8751



10.4655, 20.4726, 4.9020



0.2367, 0.4369, 0.1912

Inverse Universe

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



24.3183, 17.4818, 29.6974



41.4635, 27.1910, 50.5057



21.9588, 16.5380, 17.2722



7.2934, 7.1738, 8.5317



14.6357, 7.2104, 15.8043



0.3239, 0.1580, 0.4181

Previews

White Background



This preview shows how the XYZ color 20.2966, 29.8578, 18.8807 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 20.2966, 29.8578, 18.8807 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 20.2966, 29.8578, 18.8807

Background



This preview shows how black text looks on a background with the XYZ color 20.2966, 29.8578, 18.8807.



This preview shows how white text looks on a background with the XYZ color 20.2966, 29.8578,

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

20.2966, 29.8578, 18.8807

Protanopia

27.4361, 29.5930, 16.5779

Deuteranopia

30.1092, 29.5369, 19.7371



Tritanopia

24.8756, 29.6448, 41.9470

Trichromacy



Original Color

20.2966, 29.8578, 18.8807

Protanomaly

24.0460, 29.2616, 17.4774

Deuteranomaly

25.2772, 28.8897, 19.2829

Tritanomaly

22.9201, 29.6122, 32.1115

Monochromacy



Original Color

20.2966, 29.8578, 18.8807

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.7905, 26.0572, 23.6197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2966, 29.8578, 18.8807 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(91, 164, 108)` looks like.

```
.text, #text, p{  
    color:rgb(91, 164, 108)  
}
```

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(91, 164, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 164, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.2966, 29.8578, 18.8807 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(91, 164, 108) }
```


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

```
.border{ border-color:rgb(91, 164, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 164, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 164, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 164, 108);  
box-shadow:4px 4px 4px 4px rgb(91, 164,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2966, 29.8578, 18.8807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 164, 108) }
```

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

```
.background{ background-color: rgb(91, 164,  
108) }
```

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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