

Converting Colors

XYZ(20.3649, 30.6282, 10.0570)

Have a look what the booklet for
XYZ(20.3649, 30.6282, 10.0570)
contains.

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Color

**XYZ(20.3285, 30.6088,
9.9909)**

Conversions

Conversions Part 1

Format	Color
Hex	68A642
RGB	104, 166, 66
RGB Percent	41%, 65%, 26%
CMY	0.5922, 0.3490, 0.7412
CMYK	0.37, 0.00, 0.60, 0.35
HSL	97°, 43%, 45%
HSV	97°, 60%, 65%
XYZ	20.3285, 30.6088, 9.9909
YIQ	136.0620, -4.8520, -44.2440

Conversions

Conversions Part 2

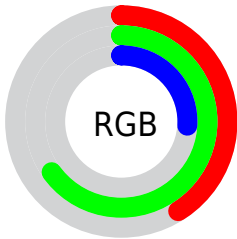
Format	Color
RYB	66, 166, 128
Decimal	6858306
CIELab	62.18, -37.95, 44.58
CIELCh	62, 58.545, 130.409
Yxy	30.6088, 0.3336, 0.5024
Android (android.graphics.Color)	4285048386 (0xFF68A642)
YUV	136.0620, -34.5406, -28.1184
Hunter-Lab	55.3252, -31.2317, 28.0208

Details

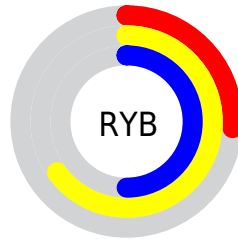
The XYZ color **20.3285, 30.6088, 9.9909** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.7346, 11.2397, 37.3128**, and the grayscale version is **23.5524, 24.7789, 26.9842**.

A 20% lighter version of the original color is **43.6302, 60.8978, 26.2845**, and **7.2809, 12.5125, 2.3480** is the 20% darker color. If you saturate the color by 10%, you get **18.7859, 29.8631, 7.7245**, and if you desaturate by 10%, it is **22.1605, 31.4892, 13.0135**.

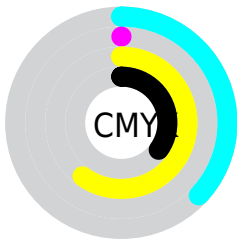
Distribution



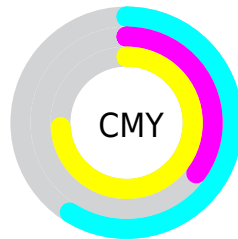
- Red (41%)
- Green (65%)
- Blue (26%)



- Red (26%)
- Yellow (65%)
- Blue (50%)



- Cyan (37%)
- Magenta (0%)
- Yellow (60%)
- Black (35%)





- Cyan (59%)
- Magenta (35%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3285, 30.6088, 9.9909 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 20.3285, 30.6088, 9.9909 by changing the saturation by 10% instead.


 20.3285, 30.6088,
9.9909

 20.3285, 30.6088,
9.9909


246.4878,
304.7320, 201.0896


 12.7437, 20.3011,
5.2874


 43.4670, 60.6236,
26.3859


 7.3281, 12.6141,
2.3552


 59.7514, 81.0996,
38.9145


 3.7163, 7.1634,
0.7619


 79.6664, 105.7338,
54.8886

 1.5429, 3.5645,
0.0000

 103.5774,
134.9106, 74.7267

 0.3547, 1.4331,
0.0000

 131.8497,
169.0145, 98.8472

 0.0000, 0.2409,
0.0000

164.8486,

 0.0000, 0.0000,

208.4297, 127.6689

0.0000

202.9395,
253.5407, 161.6102

■ 20.3285, 30.6088,
9.9909

■ 20.3285, 30.6088,
9.9909

■ 18.7859, 29.8631,
7.7245

■ 22.1605, 31.4892,
13.0135

■ 17.5126, 29.2403,
6.1453

■ 24.2958, 32.5073,
16.8495

■ 16.4888, 28.7329,
5.1751

■ 26.7499, 33.6709,
21.5525

■ 15.6916, 28.3330,
4.6418

■ 29.5366, 34.9860,
27.1713

■ 32.6687, 36.4583,
33.7510

■ 36.1584, 38.0930,
41.3336

■ 40.0171, 39.8954,
49.9587

■ 44.2559, 41.8701,
59.6637

■ 48.8851, 44.0219,
70.4843

Harmonies

Analogous

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



26.4382, 30.6088, 6.2633



20.3285, 30.6088, 9.9909



17.0176, 30.6088, 20.7839

Triad

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



20.3285, 30.6088, 9.9909



24.2987, 30.6088, 93.2678



46.7008, 30.6088, 26.0812

Complementary

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



20.3285, 30.6088, 9.9909



17.7346, 11.2397, 37.3128

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.



45.8447, 30.6088, 50.1132



20.3285, 30.6088, 9.9909



31.9193, 30.6088, 96.8870

Square

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



20.3285, 30.6088, 9.9909



19.0066, 30.6088, 70.1500



40.0712, 30.6088, 78.5379



42.2339, 30.6088, 12.3586

Rectangle

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



20.3285, 30.6088, 9.9909



16.4112, 30.6088, 33.6386



40.0712, 30.6088, 78.5379



47.0432, 30.6088, 33.0188

Sweetspot

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



20.3292, 30.6101, 9.9916



54.6380, 63.9803, 51.4498



24.3862, 23.8531, 8.4735



11.8864, 14.1573, 10.8107



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.



20.3292, 30.6101, 9.9916



33.3266, 53.8228, 13.0036



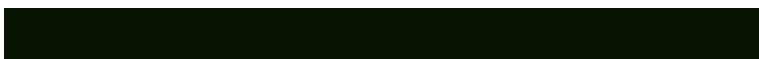
17.2471, 28.9773, 11.8299



7.6961, 8.5415, 8.0323



12.2162, 21.9949, 3.6016



0.3543, 0.5646, 0.0903

Inverse Universe

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



17.7346, 11.2397, 37.3128



28.1370, 15.5148, 66.9870



23.5358, 14.3484, 32.2481



7.5616, 7.5221, 9.4717



9.7213, 4.3950, 28.3114



0.2907, 0.1349, 0.6914

Previews

White Background



This preview shows how the XYZ color 20.3285, 30.6088, 9.9909 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 20.3285, 30.6088, 9.9909 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 20.3285, 30.6088, 9.9909

Background



This preview shows how black text looks on a background with the XYZ color 20.3285, 30.6088, 9.9909.



This preview shows how white text looks on a background with the XYZ color 20.3285, 30.6088,

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

20.3285, 30.6088, 9.9909

Protanopia

27.6850, 30.3651, 8.8168

Deuteranopia

30.6428, 30.0174, 10.4822



Tritanopia

26.7021, 30.5972, 41.5443

Trichromacy



Original Color

20.3285, 30.6088, 9.9909

Protanomaly

24.2873, 30.0651, 9.2257

Deuteranomaly

25.6897, 29.5440, 10.1429

Tritanomaly

23.6070, 30.3577, 26.0881

Monochromacy



Original Color

20.3285, 30.6088, 9.9909

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.6151, 26.3002, 18.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3285, 30.6088, 9.9909 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(104, 166, 66)` looks like.

```
.text, #text, p{  
    color:rgb(104, 166, 66)  
}
```

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(104, 166, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 166, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.3285, 30.6088, 9.9909 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(104, 166, 66) }
```


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

```
.border{ border-color:rgb(104, 166, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 166, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 166, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 166, 66);  
box-shadow:4px 4px 4px 4px rgb(104, 166,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3285, 30.6088, 9.9909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 166, 66) }
```

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

```
.background{ background-color: rgb(104,  
166, 66) }
```

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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