

Converting Colors

XYZ(20.3153, 30.5844, 7.8212)

Have a look what the booklet for
XYZ(20.3153, 30.5844, 7.8212)
contains.

XYZ(20.3963, 30.6909, 7.8665)	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(20.3963, 30.6909,
7.8665)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA632
RGB	108, 166, 50
RGB Percent	42%, 65%, 20%
CMY	0.5765, 0.3490, 0.8039
CMYK	0.35, 0.00, 0.70, 0.35
HSL	90°, 54%, 42%
HSV	90°, 70%, 65%
XYZ	20.3963, 30.6909, 7.8665
YIQ	135.4340, 2.6680, -48.3720

Conversions

Conversions Part 2

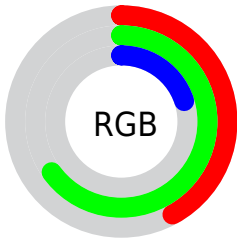
Format	Color
RYB	50, 166, 108
Decimal	7120434
CIELab	62.25, -37.92, 51.61
CIELCh	62, 64.042, 126.307
Yxy	30.6909, 0.3460, 0.5206
Android (android.graphics.Color)	4285310514 (0xFF6CA632)
YUV	135.4340, -42.1190, -24.0596
Hunter-Lab	55.3994, -31.2308, 30.3606

Details

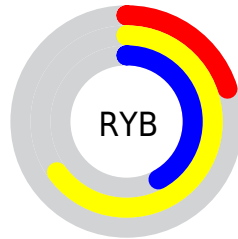
The XYZ color **20.3963, 30.6909, 7.8665** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.2092, 8.2234, 36.9165**, and the grayscale version is **23.3425, 24.5582, 26.7438**.

A 20% lighter version of the original color is **43.4089, 60.4787, 22.2176**, and **7.4855, 12.7915, 2.0745** is the 20% darker color. If you saturate the color by 10%, you get **19.1394, 30.0781, 6.2655**, and if you desaturate by 10%, it is **21.8807, 31.4079, 10.1572**.

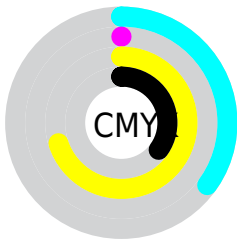
Distribution



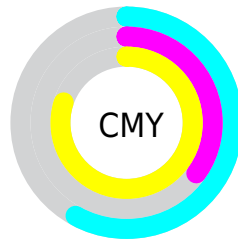
- Red (42%)
- Green (65%)
- Blue (20%)



- Red (20%)
- Yellow (65%)
- Blue (42%)



- Cyan (35%)
- Magenta (0%)
- Yellow (70%)
- Black (35%)





- Cyan (58%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3963, 30.6909, 7.8665 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 20.3963, 30.6909, 7.8665 by changing the saturation by 10% instead.


 20.3963, 30.6909,
7.8665


 20.3963, 30.6909,
7.8665


246.8454,
305.1118, 184.5765


 12.7934, 20.3636,
3.9231


 43.5795, 60.7531,
22.2381

 7.3624, 12.6596,
1.5833


 59.8905, 81.2568,
33.5035

 3.7381, 7.1946,
0.2788


 79.8349, 105.9214,
48.0465

 1.5551, 3.5841,
0.0000

 103.7781,
135.1312, 66.2858

 0.3629, 1.4437,
0.0000

 132.0853,
169.2708, 88.6399

 0.0000, 0.2486,
0.0000

 165.1221,

 0.0000, 0.0000,

208.7245, 115.5274

0.0000

203.2537,
253.8767, 147.3667

■ 20.3963, 30.6909,
7.8665

■ 20.3963, 30.6909,
7.8665

■ 19.1394, 30.0781,
6.2655

■ 21.8807, 31.4079,
10.1572

■ 18.0903, 29.5581,
5.2741

■ 23.6055, 32.2315,
13.2022

■ 17.2139, 29.1177,
4.7188

■ 25.5851, 33.1687,
17.0608

■ 17.2039, 29.1126,
4.7126

■ 27.8319, 34.2247,
21.7859

■ 30.3574, 35.4044,
27.4260

■ 33.1723, 36.7124,
34.0258

■ 36.2866, 38.1529,
41.6273

■ 39.7101, 39.7299,
50.2699

■ 43.4516, 41.4475,
59.9908

Harmonies

Analogous

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



27.3830, 30.6909, 4.9235



20.3963, 30.6909, 7.8665



16.4467, 30.6909, 17.7097

Triad

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



20.3963, 30.6909, 7.8665



22.9900, 30.6909, 98.6850



49.0008, 30.6909, 28.4569

Complementary

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



20.3963, 30.6909, 7.8665



14.2092, 8.2234, 36.9165

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.



47.1866, 30.6909, 56.4204



20.3963, 30.6909, 7.8665



31.0347, 30.6909, 106.5488

Square

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



20.3963, 30.6909, 7.8665



17.7243, 30.6909, 70.2589



40.1578, 30.6909, 88.3099



44.7154, 30.6909, 12.4167

Rectangle

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



20.3963, 30.6909, 7.8665



15.5319, 30.6909, 30.4448



40.1578, 30.6909, 88.3099



49.0942, 30.6909, 36.5770

Sweetspot

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



20.3970, 30.6922, 7.8672



54.3669, 63.9141, 48.1156



21.6654, 19.0636, 5.5558



11.8881, 14.1730, 10.1392



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.



20.3970, 30.6922, 7.8672



33.6085, 54.0299, 10.2228



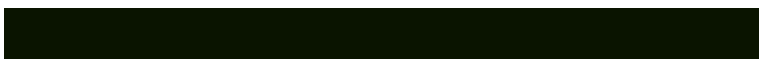
15.5283, 28.1823, 7.6393



7.7807, 8.5850, 8.0363



13.3941, 22.6021, 3.6567



0.3849, 0.5804, 0.0917

Inverse Universe

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



14.2092, 8.2234, 36.9165



21.6466, 10.5945, 66.3793



23.7507, 13.1422, 37.3631



7.4758, 7.4779, 9.4677



8.1579, 3.5890, 28.2383



0.2575, 0.1178, 0.6898

Previews

White Background



This preview shows how the XYZ color 20.3963, 30.6909, 7.8665 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 20.3963, 30.6909, 7.8665 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 20.3963, 30.6909, 7.8665

Background



This preview shows how black text looks on a background with the XYZ color 20.3963, 30.6909, 7.8665.



This preview shows how white text looks on a background with the XYZ color 20.3963, 30.6909,

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

20.3963, 30.6909, 7.8665

Protanopia

27.5479, 30.3348, 6.9880

Deuteranopia

30.6864, 30.0906, 8.1937



Tritanopia

27.0086, 30.5178, 41.0262

Trichromacy



Original Color

20.3963, 30.6909, 7.8665

Protanomaly

24.2556, 30.0932, 7.2195

Deuteranomaly

25.8567, 29.6782, 7.9801

Tritanomaly

23.5074, 30.1031, 23.6403

Monochromacy



Original Color

20.3963, 30.6909, 7.8665

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.2350, 25.9172, 16.9800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3963, 30.6909, 7.8665 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(108, 166, 50)` looks like.

```
.text, #text, p{  
    color:rgb(108, 166, 50)  
}
```

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(108, 166, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 166, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.3963, 30.6909, 7.8665 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(108, 166, 50) }
```


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

```
.border{ border-color:rgb(108, 166, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 166, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 166, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 166, 50);  
box-shadow:4px 4px 4px 4px rgb(108, 166,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3963, 30.6909, 7.8665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 166, 50) }
```

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

```
.background{ background-color: rgb(108,  
166, 50) }
```

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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