

Converting Colors

XYZ(20.4165, 34.2452, 11.6733)

Have a look what the booklet for
XYZ(20.4165, 34.2452, 11.6733)
contains.

XYZ(20.4317, 34.3278, 11.6800)	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(20.4317, 34.3278,
11.6800)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB348
RGB	78, 179, 72
RGB Percent	31%, 70%, 28%
CMY	0.6941, 0.2980, 0.7176
CMYK	0.56, 0.00, 0.60, 0.30
HSL	117°, 43%, 49%
HSV	117°, 60%, 70%
XYZ	20.4317, 34.3278, 11.6800
YIQ	136.6030, -25.8490, -54.6890

Conversions

Conversions Part 2

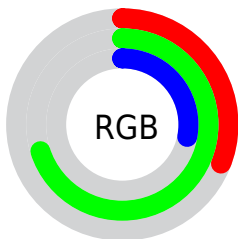
Format	Color
RYB	72, 179, 173
Decimal	5157704
CIELab	65.22, -50.57, 45.01
CIElCh	65, 67.702, 138.333
Yxy	34.3278, 0.3075, 0.5167
Android (android.graphics.Color)	4283347784 (0xFF4EB348)
YUV	136.6030, -31.8493, -51.3948
Hunter-Lab	58.5899, -40.2852, 29.1934

Details

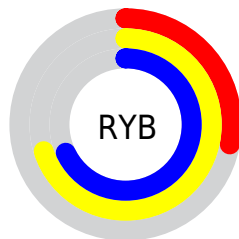
The XYZ color **20.4317, 34.3278, 11.6800** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **27.6896, 16.7749, 44.4282**, and the grayscale version is **23.7521, 24.9890, 27.2130**.

A 20% lighter version of the original color is **43.7869, 66.6804, 29.6316**, and **7.4428, 14.7109, 3.0195** is the 20% darker color. If you saturate the color by 10%, you get **18.7199, 33.5043, 8.9831**, and if you desaturate by 10%, it is **22.6708, 35.4056, 15.2905**.

Distribution



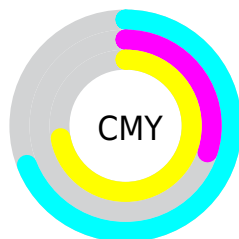
- Red (31%)
- Green (70%)
- Blue (28%)



- Red (28%)
- Yellow (70%)
- Blue (68%)



- Cyan (56%)
- Magenta (0%)
- Yellow (60%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4317, 34.3278, 11.6800 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 20.4317, 34.3278, 11.6800 by changing the saturation by 10% instead.


 20.4317, 34.3278,
11.6800


 20.4317, 34.3278,
11.6800


247.0319,
321.5912, 213.1773


 12.8193, 23.1455,
6.4063


 43.6382, 66.4431,
29.5666

 7.3804, 14.7010,
3.0209


 59.9631, 88.1449,
43.0165


 3.7495, 8.6098,
1.1053


 79.9228, 114.1221,
60.0289

 1.5614, 4.4876,
0.0000

 103.8828,
144.7589, 81.0224

 0.3671, 1.9499,
0.0000

 132.2083,
180.4399, 106.4154

 0.0000, 0.5781,
0.0000

165.2648,

 0.0000, 0.0000,

221.5493, 136.6265

0.0000

203.4175,
268.4716, 172.0743

■ 20.4317, 34.3278,
11.6800

■ 20.4317, 34.3278,
11.6800

■ 18.7199, 33.5043,
8.9831

■ 22.6708, 35.4056,
15.2905

■ 17.4899, 32.9103,
7.1158

■ 25.4731, 36.7514,
19.8839

■ 16.6927, 32.5235,
5.9832

■ 28.8741, 38.3834,
25.5257

■ 16.2534, 32.3097,
5.3913

■ 32.9058, 40.3165,
32.2750

■ 16.2464, 32.3063,
5.3795

■ 37.5977, 42.5650,
40.1865

■ 42.9776, 45.1421,
49.3113

■ 49.0718, 48.0602,
59.6974

■ 55.9050, 51.3311,
71.3903

■ 63.5009, 54.9661,
84.4333

Harmonies

Analogous

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



27.0285, 34.3278, 5.9210



20.4317, 34.3278, 11.6800



17.3790, 34.3278, 27.4513

Triad

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



20.4317, 34.3278, 11.6800



28.9474, 34.3278, 119.5715



54.0958, 34.3278, 22.7873

Complementary

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



20.4317, 34.3278, 11.6800



27.6896, 16.7749, 44.4282

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.



54.8977, 34.3278, 49.4466



20.4317, 34.3278, 11.6800



38.9508, 34.3278, 116.0644

Square

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



20.4317, 34.3278, 11.6800



21.5921, 34.3278, 94.2595



48.9088, 34.3278, 86.2405



46.8986, 34.3278, 9.7454

Rectangle

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



20.4317, 34.3278, 11.6800



17.2536, 34.3278, 45.7969



48.9088, 34.3278, 86.2405



55.1687, 34.3278, 30.0583

Sweetspot

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



20.4325, 34.3292, 11.6808



60.0918, 72.7592, 59.7531



34.4888, 39.5077, 11.9395



12.8142, 15.8805, 12.3995



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.4325, 34.3292, 11.6808



32.6742, 59.5920, 14.7774



22.0856, 34.9363, 22.8344



8.4316, 9.5121, 9.0441



11.4986, 22.8378, 3.8021



0.3763, 0.7261, 0.1203

Inverse Universe

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



27.6896, 16.7749, 44.4282



46.7961, 25.2448, 78.7875



25.1174, 15.9027, 23.8047



8.8021, 8.6220, 10.7066



17.3257, 8.2675, 30.8196



0.5593, 0.2674, 0.9704

Previews

White Background



This preview shows how the XYZ color 20.4317, 34.3278, 11.6800 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 20.4317, 34.3278, 11.6800 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 20.4317, 34.3278, 11.6800

Background



This preview shows how black text looks on a background with the XYZ color 20.4317, 34.3278, 11.6800.



This preview shows how white text looks on a background with the XYZ color 20.4317, 34.3278,

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

20.4317, 34.3278, 11.6800

Protanopia

30.7195, 33.6212, 10.0247

Deuteranopia

34.3466, 33.7293, 12.2896



Tritanopia

27.8226, 34.1662, 48.8444

Trichromacy



Original Color

20.4317, 34.3278, 11.6800



Protanomaly

25.3137, 32.9031, 10.4856



Deuteranomaly

26.8469, 32.6049, 11.8996



Tritanomaly

24.0744, 33.7553, 30.4459

Monochromacy



Original Color

20.4317, 34.3278, 11.6800



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.4113, 27.3617, 19.7756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4317, 34.3278, 11.6800 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(78, 179, 72)` looks like.

```
.text, #text, p{  
    color:rgb(78, 179, 72)  
}
```

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(78, 179, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 179, 72) }
```

Border

The CSS property to change the border of an element to XYZ 20.4317, 34.3278, 11.6800 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(78, 179, 72) }
```


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

```
.border{ border-color:rgb(78, 179, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 179, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 179, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 179, 72);  
box-shadow:4px 4px 4px 4px rgb(78, 179,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4317, 34.3278, 11.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 179, 72) }
```

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

```
.background{ background-color: rgb(78, 179,  
72) }
```

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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