

Converting Colors

XYZ(11.3455, 20.3806, 5.6117)

Have a look what the booklet for
XYZ(11.3455, 20.3806, 5.6117)
contains.

XYZ(11.3407, 20.3772, 5.6210)	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(11.3407, 20.3772,
5.6210)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8F2B
RGB	45, 143, 43
RGB Percent	18%, 56%, 17%
CMY	0.8235, 0.4392, 0.8314
CMYK	0.69, 0.00, 0.70, 0.44
HSL	119°, 54%, 36%
HSV	119°, 70%, 56%
XYZ	11.3407, 20.3772, 5.6210
YIQ	102.2980, -26.3080, -51.8760

Conversions

Conversions Part 2

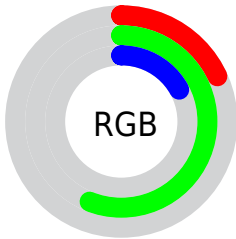
Format	Color
R_{YB}	43, 143, 141
Decimal	2985771
CIE _{Lab}	52.26, -48.08, 43.22
CIE _{LCh}	52, 64.648, 138.044
Yxy	20.3772, 0.3037, 0.5457
Android (android.graphics.Color)	4281175851 (0xFF2D8F2B)
YUV	102.2980, -29.2339, -50.2503
Hunter-Lab	45.1411, -34.1528, 24.2159

Details

The XYZ color **11.3407, 20.3772, 5.6210** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.8075, 9.3744, 26.9112**, and the grayscale version is **12.7870, 13.4529, 14.6502**.

A 20% lighter version of the original color is **27.9234, 44.1394, 17.6377**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **10.6056, 20.0240, 4.4493**, and if you desaturate by 10%, it is **12.3735, 20.8744, 7.2878**.

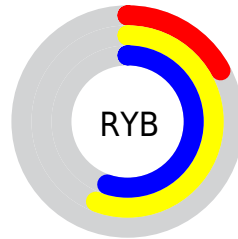
Distribution



Red (18%)

Green (56%)

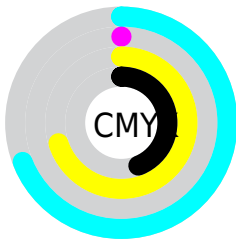
Blue (17%)



Red (17%)

Yellow (56%)

Blue (55%)

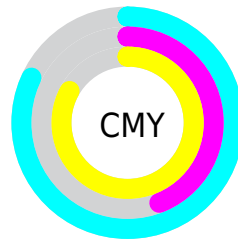


Cyan (69%)

Magenta (0%)

Yellow (70%)

Black (44%)



Cyan (82%)

Magenta (44%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3407, 20.3772, 5.6210 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 11.3407, 20.3772, 5.6210 by changing the saturation by 10% instead.

■ 11.3407, 20.3772,
5.6210

■ 11.3407, 20.3772,
5.6210

193.8507,
253.9499, 164.8262

■ 6.3655, 12.6695,
2.5510

■ 27.9159, 44.0487,
17.6029

■ 3.1113, 7.2014,
0.8670

■ 40.2465, 60.7813,
27.3519

■ 1.2129, 3.5884,
0.0000

■ 55.7597, 81.2910,
40.1643

■ 0.1165, 1.4461,
0.0000

■ 74.8207, 105.9622,
56.4586

■ 0.0000, 0.2503,
0.0000

■ 97.7950, 135.1793,
76.6534

■ 0.0000, 0.0000,
0.0000

■ 125.0478,

169.3267, 101.1673

156.9446,
208.7887, 130.4187

■ 11.3407, 20.3772,
5.6210

■ 11.3407, 20.3772,
5.6210

■ 10.6056, 20.0240,
4.4493

■ 12.3735, 20.8744,
7.2878

■ 10.1355, 19.7974,
3.7170

■ 13.7296, 21.5261,
9.4947

■ 9.8604, 19.6650,
3.2790

■ 15.4334, 22.3444,
12.2834

■ 9.8586, 19.6641,
3.2760

■ 17.5065, 23.3399,
15.6909

■ 19.9689, 24.5220,
19.7514

■ 22.8391, 25.8996,
24.4964

■ 26.1344, 27.4809,
29.9554

■ 29.8710, 29.2739,
36.1562

■ 34.0645, 31.2858,
43.1252

Harmonies

Analogous

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



15.6765, 20.3772, 2.4188



11.3407, 20.3772, 5.6210



9.3706, 20.3772, 15.4421

Triad

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



11.3407, 20.3772, 5.6210



16.8417, 20.3772, 80.6224



34.2193, 20.3772, 12.6798

Complementary

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



11.3407, 20.3772, 5.6210



16.8075, 9.3744, 26.9112

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.



34.7347, 20.3772, 30.6564



11.3407, 20.3772, 5.6210



23.5976, 20.3772, 78.2702

Square

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



11.3407, 20.3772, 5.6210



12.0250, 20.3772, 61.9969



30.4977, 20.3772, 56.7078



29.2184, 20.3772, 4.5918

Rectangle

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



11.3407, 20.3772, 5.6210



9.2776, 20.3772, 27.7069



30.4977, 20.3772, 56.7078



34.9586, 20.3772, 17.4542

Sweetspot

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



11.3412, 20.3781, 5.6215



35.0453, 43.5704, 34.1907



21.0941, 24.6740, 5.9366



7.7793, 9.8681, 7.4161



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.3412, 20.3781, 5.6215



18.4463, 35.5955, 7.1123



12.6507, 20.8919, 12.9651



5.3522, 6.0342, 5.7720



8.7187, 17.3873, 2.8966



0.0849, 0.1671, 0.0278

Inverse Universe

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



16.8075, 9.3744, 26.9112



28.8726, 14.5398, 47.8227



14.3190, 8.4186, 12.0180



5.6158, 5.5056, 6.7955



13.9701, 6.6954, 23.5331



0.1358, 0.0651, 0.2251

Previews

White Background



This preview shows how the XYZ color 11.3407, 20.3772, 5.6210 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 11.3407, 20.3772, 5.6210 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 11.3407, 20.3772, 5.6210

Background



This preview shows how black text looks on a background with the XYZ color 11.3407, 20.3772, 5.6210.



This preview shows how white text looks on a background with the XYZ color 11.3407, 20.3772,

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

11.3407, 20.3772, 5.6210

Protanopia

18.2050, 20.0442, 4.7431

Deuteranopia

20.4247, 20.0748, 6.0471



Tritanopia

16.2316, 20.4415, 29.4757

Trichromacy



Original Color

11.3407, 20.3772, 5.6210

Protanomaly

14.3250, 19.3891, 4.9949

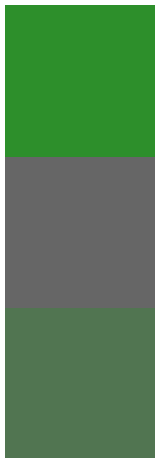
Deuteranomaly

15.0832, 18.9779, 5.7739

Tritanomaly

13.5861, 19.9770, 17.0498

Monochromacy



Original Color

11.3407, 20.3772, 5.6210

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.2398, 15.0660, 10.1002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3407, 20.3772, 5.6210 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(45, 143, 43)` looks like.

```
.text, #text, p{  
    color:rgb(45, 143, 43)  
}
```

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(45, 143, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 143, 43) }
```

Border

The CSS property to change the border of an element to XYZ 11.3407, 20.3772, 5.6210 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(45, 143, 43) }
```


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

```
.border{ border-color:rgb(45, 143, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 143, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 143, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 143, 43);  
box-shadow:4px 4px 4px 4px rgb(45, 143,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3407, 20.3772, 5.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 143, 43) }
```

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

```
.background{ background-color: rgb(45, 143,  
43) }
```

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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