

Converting Colors

XYZ(12.0501, 20.3511, 7.5168)

Have a look what the booklet for
XYZ(12.0501, 20.3511, 7.5168)
contains.

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Color

**XYZ(11.9714, 20.2168,
7.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	388D3C
RGB	56, 141, 60
RGB Percent	22%, 55%, 24%
CMY	0.7804, 0.4470, 0.7647
CMYK	0.60, 0.00, 0.57, 0.45
HSL	123°, 43%, 39%
HSV	123°, 60%, 55%
XYZ	11.9714, 20.2168, 7.5462
YIQ	106.3510, -24.6590, -43.2110

Conversions

Conversions Part 2

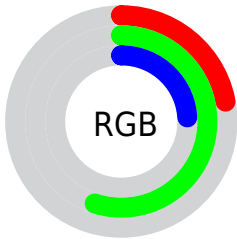
Format	Color
RYB	56, 137, 141
Decimal	3706172
CIELab	52.08, -42.82, 35.23
CIElCh	52, 55.451, 140.555
Yxy	20.2168, 0.3013, 0.5088
Android (android.graphics.Color)	4281896252 (0xFF388D3C)
YUV	106.3510, -22.8510, -44.1578
Hunter-Lab	44.9631, -31.1599, 21.5235

Details

The XYZ color **11.9714, 20.2168, 7.5462** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.9147, 10.2976, 24.7636**, and the grayscale version is **13.8622, 14.5841, 15.8821**.

A 20% lighter version of the original color is **29.0117, 43.6007, 21.6386**, and **3.7110, 7.3342, 1.5072** is the 20% darker color. If you saturate the color by 10%, you get **10.9804, 19.7425, 5.8755**, and if you desaturate by 10%, it is **13.2756, 20.8433, 9.7033**.

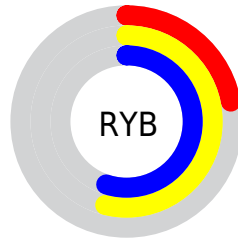
Distribution



Red (22%)

Green (55%)

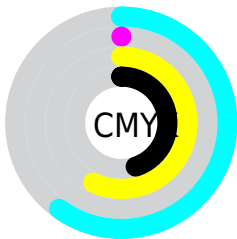
Blue (24%)



Red (22%)

Yellow (54%)

Blue (55%)

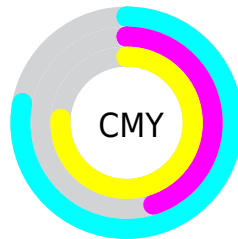


Cyan (60%)

Magenta (0%)

Yellow (57%)

Black (45%)



Cyan (78%)

Magenta (45%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9714, 20.2168, 7.5462 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 11.9714, 20.2168, 7.5462 by changing the saturation by 10% instead.

■ 11.9714, 20.2168,
7.5462

■ 11.9714, 20.2168,
7.5462

197.9896,
253.0864, 181.9276

■ 6.7963, 12.5527,
3.7224

■ 29.0603, 43.7804,
21.5952

■ 3.3802, 7.1213,
1.4743

■ 41.7048, 60.4487,
32.6574

■ 1.3579, 3.5381,
0.1987

■ 57.5698, 80.8871,
46.9696

■ 0.2259, 1.4187,
0.0000

■ 77.0206, 105.4802,
64.9501

■ 0.0000, 0.2304,
0.0000

■ 100.4227,
134.6123, 87.0177

■ 0.0000, 0.0000,
0.0000

■ 128.1413,

168.6677, 113.5908

160.5418,
208.0310, 145.0879

■ 11.9714, 20.2168,
7.5462

■ 11.9714, 20.2168,
7.5462

■ 10.9804, 19.7425,
5.8755

■ 13.2756, 20.8433,
9.7033

■ 10.2751, 19.4052,
4.6524

■ 14.9147, 21.6308,
12.3792

■ 9.8253, 19.1910,
3.8339

■ 16.9103, 22.5902,
15.6049

■ 9.5617, 19.0652,
3.3666

■ 19.2816, 23.7309,
19.4088

■ 22.0465, 25.0616,
23.8173

■ 25.2219, 26.5904,
28.8549

■ 28.8234, 28.3248,
34.5452

■ 32.8661, 30.2722,
40.9102

■ 37.3641, 32.4394,
47.9710

Harmonies

Analogous

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



15.6390, 20.2168, 3.8179



11.9714, 20.2168, 7.5462



10.3488, 20.2168, 17.2801

Triad

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



11.9714, 20.2168, 7.5462



17.4829, 20.2168, 69.3534



31.3257, 20.2168, 12.7756

Complementary

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



11.9714, 20.2168, 7.5462



16.9147, 10.2976, 24.7636

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.



32.0879, 20.2168, 27.5388



11.9714, 20.2168, 7.5462



23.2994, 20.2168, 66.0476

Square

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



11.9714, 20.2168, 7.5462



13.0925, 20.2168, 55.9605



28.9144, 20.2168, 48.3761



27.0000, 20.2168, 5.6416

Rectangle

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



11.9714, 20.2168, 7.5462



10.3731, 20.2168, 28.2361



28.9144, 20.2168, 48.3761



32.0363, 20.2168, 16.7782

Sweetspot

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



11.9719, 20.2176, 7.5467



35.4133, 42.9221, 36.1703



20.7484, 24.7539, 7.4259



7.6408, 9.4574, 7.6489



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.9719, 20.2176, 7.5467



19.1978, 35.1312, 9.7231



13.5217, 20.8375, 15.7076



5.3525, 6.0332, 5.8223



8.7198, 17.3838, 3.0785



0.0850, 0.1669, 0.0381

Inverse Universe

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



16.9147, 10.2976, 24.7636



28.8467, 15.7339, 43.3090



14.4953, 9.3298, 12.0233



5.6154, 5.5067, 6.7389



13.9642, 6.7427, 21.2606



0.1357, 0.0653, 0.2148

Previews

White Background



This preview shows how the XYZ color 11.9714, 20.2168, 7.5462 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 11.9714, 20.2168, 7.5462 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 11.9714, 20.2168, 7.5462

Background



This preview shows how black text looks on a background with the XYZ color 11.9714, 20.2168, 7.5462.



This preview shows how white text looks on a background with the XYZ color 11.9714, 20.2168,

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

11.9714, 20.2168, 7.5462

Protanopia

18.2138, 20.0095, 6.5167

Deuteranopia

20.2243, 19.9295, 7.9351



Tritanopia

16.2698, 20.0635, 29.0017

Trichromacy



Original Color

11.9714, 20.2168, 7.5462

Protanomaly

14.9055, 19.4488, 6.8393

Deuteranomaly

15.5887, 19.0049, 7.6972

Tritanomaly

14.0989, 19.7854, 18.6987

Monochromacy



Original Color

11.9714, 20.2168, 7.5462

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.4245, 15.9896, 11.8827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9714, 20.2168, 7.5462 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(56, 141, 60)` looks like.

```
.text, #text, p{  
    color:rgb(56, 141, 60)  
}
```

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(56, 141, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 141, 60) }
```

Border

The CSS property to change the border of an element to XYZ 11.9714, 20.2168, 7.5462 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(56, 141, 60) }
```


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

```
.border{ border-color:rgb(56, 141, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 141, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 141, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 141, 60);  
box-shadow:4px 4px 4px 4px rgb(56, 141,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9714, 20.2168, 7.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 141, 60) }
```

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

```
.background{ background-color: rgb(56, 141,  
60) }
```

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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