

Converting Colors

XYZ(20.3324, 27.9752, 11.5388)

Have a look what the booklet for
XYZ(20.3324, 27.9752, 11.5388)
contains.

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Color

**XYZ(20.3338, 27.9718,
11.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	739C4E
RGB	115, 156, 78
RGB Percent	45%, 61%, 31%
CMY	0.5490, 0.3882, 0.6941
CMYK	0.26, 0.00, 0.50, 0.39
HSL	92°, 33%, 46%
HSV	92°, 50%, 61%
XYZ	20.3338, 27.9718, 11.5351
YIQ	134.8490, 0.6020, -32.9500

Conversions

Conversions Part 2

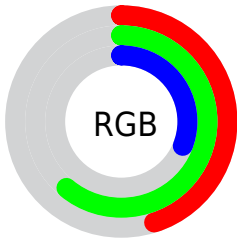
Format	Color
R_{YB}	78, 156, 119
Decimal	7576654
CIE _{Lab}	59.86, -27.96, 36.16
CIE _{LCh}	60, 45.710, 127.705
Yxy	27.9718, 0.3398, 0.4674
Android (android.graphics.Color)	4285766734 (0xFF739C4E)
YUV	134.8490, -28.0266, -17.4076
Hunter-Lab	52.8884, -23.9274, 24.0905

Details

The XYZ color **20.3338, 27.9718, 11.5351** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.3341, 11.7718, 32.8653**, and the grayscale version is **23.0742, 24.2758, 26.4364**.

A 20% lighter version of the original color is **43.6189, 56.6085, 29.3965**, and **7.2864, 11.0793, 2.9169** is the 20% darker color. If you saturate the color by 10%, you get **18.8089, 27.2437, 8.8827**, and if you desaturate by 10%, it is **22.0887, 28.8049, 14.8921**.

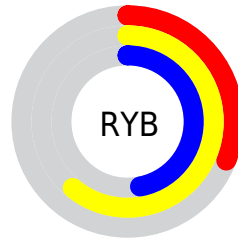
Distribution



Red (45%)

Green (61%)

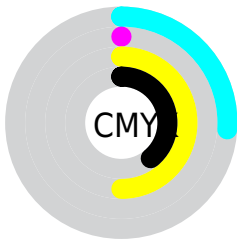
Blue (31%)



Red (31%)

Yellow (61%)

Blue (47%)

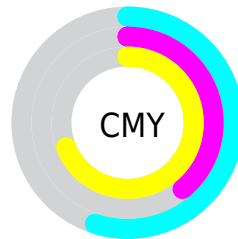


Cyan (26%)

Magenta (0%)

Yellow (50%)

Black (39%)



Cyan (55%)

Magenta (39%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3338, 27.9718, 11.5351 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 20.3338, 27.9718, 11.5351 by changing the saturation by 10% instead.

■ 20.3338, 27.9718,
11.5351

■ 20.3338, 27.9718,
11.5351

246.5158,
292.3321, 212.1703

■ 12.7476, 18.3044,
6.3093

■ 43.4758, 56.4394,
29.2971

■ 7.3308, 11.1688,
2.9622

■ 59.7623, 76.0084,
42.6704

■ 3.7180, 6.1805,
1.0754

■ 79.6796, 99.6468,
59.5966

■ 1.5438, 2.9551,
0.0000

■ 103.5931,
127.7388, 80.4943

■ 0.3554, 1.1083,
0.0000

■ 131.8681,
160.6690, 105.7819

■ 0.0000, 0.0000,
0.0000

164.8700,

198.8217, 135.8781

202.9641,
242.5813, 171.2014

■ 20.3338, 27.9718,
11.5351

■ 20.3338, 27.9718,
11.5351

■ 18.8089, 27.2437,
8.8827

■ 22.0887, 28.8049,
14.8921

■ 17.5000, 26.6118,
6.8826

■ 24.0827, 29.7440,
18.9972

■ 16.3943, 26.0717,
5.4785


■ 26.3264, 30.7947,
23.8926


■ 15.4764, 25.6170,
4.6036


■ 28.8296, 31.9610,
29.6168


■ 14.7128, 25.2338,
4.0952


■ 31.6011, 33.2468,
36.2059

 14.7128, 25.2338,
4.0952

 34.6495, 34.6558,
43.6937

 37.9829, 36.1913,
52.1123

 41.6091, 37.8568,
61.4921

 45.5354, 39.6554,
71.8623

Harmonies

Analogous

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



25.1193, 27.9718, 8.5073



20.3338, 27.9718, 11.5351



17.5472, 27.9718, 19.8781

Triad

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



20.3338, 27.9718, 11.5351



22.5770, 27.9718, 70.5826



39.2361, 27.9718, 26.3727

Complementary

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



20.3338, 27.9718, 11.5351



16.3341, 11.7718, 32.8653

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.



38.2939, 27.9718, 44.2469



20.3338, 27.9718, 11.5351



28.1095, 27.9718, 74.3219

Square

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



20.3338, 27.9718, 11.5351



18.7050, 27.9718, 54.4568



34.0049, 27.9718, 63.3474



36.4188, 27.9718, 14.8043

Rectangle

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



20.3338, 27.9718, 11.5351



16.9296, 27.9718, 29.1960



34.0049, 27.9718, 63.3474



39.3551, 27.9718, 31.7529

Sweetspot

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



20.3345, 27.9730, 11.5357



49.8924, 56.8988, 48.0914



21.6003, 20.6467, 10.0549



10.7861, 12.4305, 10.1446



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.3345, 27.9730, 11.5357



33.8582, 49.3346, 15.6411



16.4534, 25.9668, 11.5998



6.8350, 7.5476, 7.0823



12.1578, 20.8043, 3.3748



0.2659, 0.3970, 0.0626

Inverse Universe

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



16.3341, 11.7718, 32.8653



25.7302, 16.4398, 58.9438



22.3270, 14.8739, 32.5741



6.6008, 6.5982, 8.3324



7.8497, 3.4757, 26.1644



0.1891, 0.0873, 0.4701

Previews

White Background



This preview shows how the XYZ color 20.3338, 27.9718, 11.5351 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 20.3338, 27.9718, 11.5351 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 20.3338, 27.9718, 11.5351

Background



This preview shows how black text looks on a background with the XYZ color 20.3338, 27.9718, 11.5351.



This preview shows how white text looks on a background with the XYZ color 20.3338, 27.9718,

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

20.3338, 27.9718, 11.5351

Protanopia

25.5074, 27.8119, 10.5024

Deuteranopia

28.1862, 27.6298, 12.0311



Tritanopia

25.4441, 27.8827, 36.8417

Trichromacy



Original Color

20.3338, 27.9718, 11.5351

Protanomaly

23.1876, 27.5274, 10.7478

Deuteranomaly

24.5953, 27.3129, 11.7602

Tritanomaly

23.1040, 27.6354, 25.2355

Monochromacy



Original Color

20.3338, 27.9718, 11.5351

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.7618, 25.4490, 19.6848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3338, 27.9718, 11.5351 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(115, 156, 78)` looks like.

```
.text, #text, p{  
    color:rgb(115, 156, 78)  
}
```

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(115, 156, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 156, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.3338, 27.9718, 11.5351 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(115, 156, 78) }
```


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

```
.border{ border-color:rgb(115, 156, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 156, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 156, 78); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 156, 78); box-shadow:4px 4px 4px 4px rgb(115, 156, 78) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3338, 27.9718, 11.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 156, 78) }
```

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

```
.background{ background-color: rgb(115,  
156, 78) }
```

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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