

Converting Colors

XYZ(20.4315, 32.9990, 11.0463)

Have a look what the booklet for
XYZ(20.4315, 32.9990, 11.0463)
contains.

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Color

**XYZ(20.3614, 32.8381,
11.0596)**

Conversions

Conversions Part 1

Format	Color
Hex	59AE46
RGB	89, 174, 70
RGB Percent	35%, 68%, 27%
CMY	0.6510, 0.3176, 0.7255
CMYK	0.49, 0.00, 0.60, 0.32
HSL	109°, 43%, 48%
HSV	109°, 60%, 68%
XYZ	20.3614, 32.8381, 11.0596
YIQ	136.7290, -17.2760, -50.3640

Conversions

Conversions Part 2

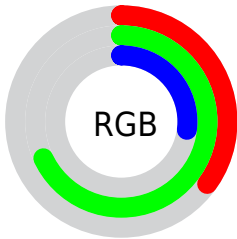
Format	Color
RYB	70, 174, 155
Decimal	5877318
CIELab	64.03, -45.78, 44.67
CIELCh	64, 63.959, 135.705
Yxy	32.8381, 0.3169, 0.5110
Android (android.graphics.Color)	4284067398 (0xFF59AE46)
YUV	136.7290, -32.8974, -41.8583
Hunter-Lab	57.3045, -36.8585, 28.6704

Details

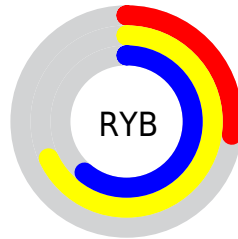
The XYZ color **20.3614, 32.8381, 11.0596** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.3493, 14.4059, 41.5960**, and the grayscale version is **23.8012, 25.0407, 27.2693**.

A 20% lighter version of the original color is **43.4867, 64.0185, 28.4772**, and **7.3829, 13.9452, 2.7928** is the 20% darker color. If you saturate the color by 10%, you get **18.6546, 32.0137, 8.5165**, and if you desaturate by 10%, it is **22.4926, 33.8648, 14.4546**.

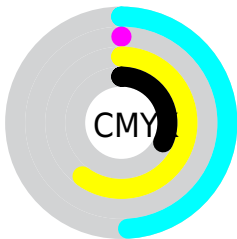
Distribution



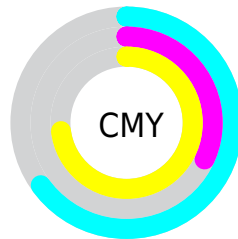
- Red (35%)
- Green (68%)
- Blue (27%)



- Red (27%)
- Yellow (68%)
- Blue (61%)



- Cyan (49%)
- Magenta (0%)
- Yellow (60%)
- Black (32%)



- Cyan (65%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3614, 32.8381, 11.0596 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 20.3614, 32.8381, 11.0596 by changing the saturation by 10% instead.

■ 20.3614, 32.8381,
11.0596

■ 20.3614, 32.8381,
11.0596

246.6614,
314.9196, 208.8281

■ 12.7678, 22.0024,
5.9923

■ 43.5216, 64.1227,
28.4087

■ 7.3447, 13.8587,
2.7717

■ 59.8189, 85.3404,
41.5275

■ 3.7269, 8.0225,
0.9793

■ 79.7482, 110.7876,
58.1672

■ 1.5488, 4.1093,
0.0000

■ 103.6748,
140.8487, 78.7463

■ 0.3587, 1.7349,
0.0000

■ 131.9641,
175.9080, 103.6834

■ 0.0000, 0.4461,
0.0000

164.9813,

■ 0.0000, 0.0000,

216.3500, 133.3971

0.0000

203.0920,
262.5591, 168.3058

■ 20.3614, 32.8381,
11.0596

■ 20.3614, 32.8381,
11.0596

■ 18.6546, 32.0137,
8.5165

■ 22.4926, 33.8648,
14.4546

■ 17.3404, 31.3740,
6.7478

■ 25.0724, 35.1020,
18.7657

■ 16.3861, 30.9051,
5.6655

■ 28.1258, 36.5622,
24.0536

■ 15.7381, 30.5831,
5.0852

■ 31.6754, 38.2559,
30.3730

■ 15.7257, 30.5770,
5.0731

■ 35.7421, 40.1928,
37.7746

■ 40.3458, 42.3820,
46.3059

■ 45.5052, 44.8323,
56.0113

■ 51.2382, 47.5520,
66.9331

■ 57.5619, 50.5489,
79.1114

Harmonies

Analogous

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



26.7441, 32.8381, 6.0720



20.3614, 32.8381, 11.0596



17.2297, 32.8381, 24.8300

Triad

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



20.3614, 32.8381, 11.0596



27.1182, 32.8381, 108.8197



51.0853, 32.8381, 23.9142

Complementary

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



20.3614, 32.8381, 11.0596



23.3493, 14.4059, 41.5960

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.



51.2391, 32.8381, 49.4904



20.3614, 32.8381, 11.0596



36.1509, 32.8381, 108.1557

Square

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



20.3614, 32.8381, 11.0596



20.5896, 32.8381, 84.4566



45.3601, 32.8381, 82.9307



44.9734, 32.8381, 10.6684

Rectangle

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



20.3614, 32.8381, 11.0596



16.9276, 32.8381, 40.9292



45.3601, 32.8381, 82.9307



51.8700, 32.8381, 31.0365

Sweetspot

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



20.3622, 32.8395, 11.0603



58.4646, 69.8716, 56.9147



30.2727, 32.8629, 10.5425



12.5548, 15.3202, 11.8581



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.3622, 32.8395, 11.0603



32.9223, 57.6237, 14.1703



20.1077, 32.5536, 18.0389



8.0359, 9.0071, 8.5284



11.4432, 22.1962, 3.6812



0.3579, 0.6379, 0.1043

Inverse Universe

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



23.3493, 14.4059, 41.5960



38.7185, 21.0430, 74.6579



24.4596, 15.3049, 26.8916



8.1915, 8.0730, 10.0792



13.7050, 6.4251, 29.5623



0.4180, 0.1977, 0.8241

Previews

White Background



This preview shows how the XYZ color 20.3614, 32.8381, 11.0596 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 20.3614, 32.8381, 11.0596 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 20.3614, 32.8381, 11.0596

Background



This preview shows how black text looks on a background with the XYZ color 20.3614, 32.8381, 11.0596.



This preview shows how white text looks on a background with the XYZ color 20.3614, 32.8381,

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

20.3614, 32.8381, 11.0596

Protanopia

29.4943, 32.2520, 9.5212

Deuteranopia

33.0441, 32.3646, 11.7131



Tritanopia

27.2403, 32.5802, 45.9272

Trichromacy



Original Color

20.3614, 32.8381, 11.0596



Protanomaly

24.8836, 31.6339, 9.9487



Deuteranomaly

26.4638, 31.3942, 11.3215



Tritanomaly

23.8136, 32.2684, 28.6402

Monochromacy



Original Color

20.3614, 32.8381, 11.0596



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.6327, 26.9980, 19.6938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3614, 32.8381, 11.0596 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(89, 174, 70)` looks like.

```
.text, #text, p{  
    color:rgb(89, 174, 70)  
}
```

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(89, 174, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 174, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.3614, 32.8381, 11.0596 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(89, 174, 70) }
```


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

```
.border{ border-color:rgb(89, 174, 70) }
```

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

Here you see how a box with a 4 pixel rgb(89, 174, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 174, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 174, 70);  
box-shadow:4px 4px 4px 4px rgb(89, 174,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3614, 32.8381, 11.0596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 174, 70) }
```

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

```
.background{ background-color: rgb(89, 174,  
70) }
```

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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