

Converting Colors

XYZ(20.0094, 32.7768, 12.2504)

Have a look what the booklet for
XYZ(20.0094, 32.7768, 12.2504)
contains.

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Color

**XYZ(20.1492, 32.9896,
12.3268)**

Conversions

Conversions Part 1

Format	Color
Hex	52AF4D
RGB	82, 175, 77
RGB Percent	32%, 69%, 30%
CMY	0.6784, 0.3137, 0.6980
CMYK	0.53, 0.00, 0.56, 0.31
HSL	117°, 39%, 49%
HSV	117°, 56%, 69%
XYZ	20.1492, 32.9896, 12.3268
YIQ	136.0210, -23.9700, -50.1940

Conversions

Conversions Part 2

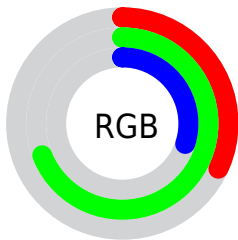
Format	Color
RYB	77, 175, 170
Decimal	5418829
CIELab	64.15, -47.35, 41.44
CIELCh	64, 62.926, 138.808
Yxy	32.9896, 0.3078, 0.5039
Android (android.graphics.Color)	4283608909 (0xFF52AF4D)
YUV	136.0210, -29.0974, -47.3764
Hunter-Lab	57.4366, -37.8948, 27.4810

Details

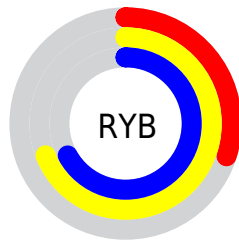
The XYZ color **20.1492, 32.9896, 12.3268** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.9710, 16.9500, 42.4093**, and the grayscale version is **23.5223, 24.7473, 26.9498**.

A 20% lighter version of the original color is **43.1858, 64.2258, 30.8896**, and **7.1754, 13.8275, 3.2681** is the 20% darker color. If you saturate the color by 10%, you get **18.3392, 32.1195, 9.4394**, and if you desaturate by 10%, it is **22.4766, 34.1091, 16.1075**.

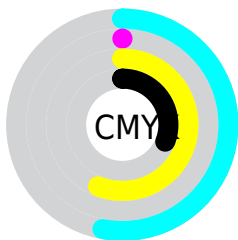
Distribution



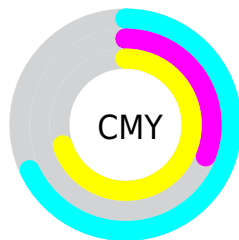
- Red (32%)
- Green (69%)
- Blue (30%)



- Red (30%)
- Yellow (69%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)




- Cyan (68%)
- Magenta (31%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1492, 32.9896, 12.3268 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 20.1492, 32.9896, 12.3268 by changing the saturation by 10% instead.


 20.1492, 32.9896,
12.3268


 20.1492, 32.9896,
12.3268


245.5399,
315.6029, 217.6111


 12.6124, 22.1185,
6.8414


 43.1692, 64.3593,
30.7622

 7.2374, 13.9440,
3.2862


 59.3832, 85.6267,
44.5492


 3.6586, 8.0817,
1.2426


 79.2203, 111.1282,
61.9406

 1.5109, 4.1473,
0.0140

 103.0458,
141.2484, 83.3549

 0.3332, 1.7563,
0.0000

 131.2252,
176.3715, 109.2105

 0.0000, 0.4597,
0.0000

164.1238,

 0.0000, 0.0000,

216.8821, 139.9260

0.0000

202.1069,
263.1644, 175.9201

■ 20.1492, 32.9896,
12.3268

■ 20.1492, 32.9896,
12.3268

■ 18.3392, 32.1195,
9.4394

■ 22.4766, 34.1091,
16.1075

■ 17.0049, 31.4761,
7.3699

■ 25.3541, 35.4907,
20.8443

■ 16.1019, 31.0392,
6.0343

■ 28.8149, 37.1510,
26.5970

■ 15.5754, 30.7830,
5.3219

■ 32.8884, 39.1042,
33.4198

■ 15.4424, 30.7189,
5.1154

■ 37.6024, 41.3634,
41.3633

■ 42.9829, 43.9411,
50.4745

■ 49.0543, 46.8488,
60.7980

■ 55.8399, 50.0977,
72.3760

■ 63.3619, 53.6983,
85.2486

Harmonies

Analogous

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



26.1500, 32.9896, 6.6161



20.1492, 32.9896, 12.3268



17.3725, 32.9896, 27.2130

Triad

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



20.1492, 32.9896, 12.3268



28.1463, 32.9896, 108.7572



50.5308, 32.9896, 22.3094

Complementary

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



20.1492, 32.9896, 12.3268



26.9710, 16.9500, 42.4093

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.



51.3448, 32.9896, 46.3106



20.1492, 32.9896, 12.3268



37.2100, 32.9896, 105.2649

Square

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



20.1492, 32.9896, 12.3268



21.3714, 32.9896, 86.9410



46.0962, 32.9896, 78.8949



44.0468, 32.9896, 10.2030

Rectangle

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



20.1492, 32.9896, 12.3268



17.2892, 32.9896, 43.9696



46.0962, 32.9896, 78.8949



51.5169, 32.9896, 28.9183

Sweetspot

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



20.1500, 32.9910, 12.3275



57.8916, 69.5481, 58.1584



33.1092, 37.8293, 12.5784



12.5365, 15.2994, 12.3718



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.



20.1500, 32.9910, 12.3275



32.2581, 57.2404, 15.9858



21.7495, 33.5824, 22.9367



7.9409, 8.9581, 8.5239



11.0743, 22.0061, 3.6639



0.3201, 0.6184, 0.1025

Inverse Universe

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



26.9710, 16.9500, 42.4093



45.6393, 25.6514, 75.1826



24.5357, 16.1031, 23.8378



8.2961, 8.1270, 10.0841



16.8305, 8.0363, 29.7086



0.4802, 0.2297, 0.8270

Previews

White Background



This preview shows how the XYZ color 20.1492, 32.9896, 12.3268 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 20.1492, 32.9896, 12.3268 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 20.1492, 32.9896, 12.3268

Background



This preview shows how black text looks on a background with the XYZ color 20.1492, 32.9896, 12.3268.



This preview shows how white text looks on a background with the XYZ color 20.1492, 32.9896,

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

20.1492, 32.9896, 12.3268

Protanopia

29.6533, 32.5555, 10.6822

Deuteranopia

33.0597, 32.3421, 13.0946



Tritanopia

27.0203, 32.7083, 47.0087

Trichromacy



Original Color

20.1492, 32.9896, 12.3268



Protanomaly

24.7704, 31.8107, 11.1379



Deuteranomaly

26.1576, 31.2072, 12.6276



Tritanomaly

23.6342, 32.4151, 30.2104

Monochromacy



Original Color

20.1492, 32.9896, 12.3268



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.2033, 26.7635, 20.2680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1492, 32.9896, 12.3268 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(82, 175, 77)` looks like.

```
.text, #text, p{  
    color:rgb(82, 175, 77)  
}
```

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(82, 175, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 175, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.1492, 32.9896, 12.3268 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(82, 175, 77) }
```


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

```
.border{ border-color:rgb(82, 175, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 175, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 175, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 175, 77);  
box-shadow:4px 4px 4px 4px rgb(82, 175,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1492, 32.9896, 12.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 175, 77) }
```

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

```
.background{ background-color: rgb(82, 175,  
77) }
```

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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