

Converting Colors

XYZ(12.5339, 20.5072, 8.2919)

Have a look what the booklet for
XYZ(12.5339, 20.5072, 8.2919)
contains.

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Color

**XYZ(12.5289, 20.4882,
8.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8D41
RGB	63, 141, 65
RGB Percent	25%, 55%, 25%
CMY	0.7529, 0.4470, 0.7451
CMYK	0.55, 0.00, 0.54, 0.45
HSL	122°, 38%, 40%
HSV	122°, 55%, 55%
XYZ	12.5289, 20.4882, 8.2953
YIQ	109.0140, -22.0920, -40.1720

Conversions

Conversions Part 2

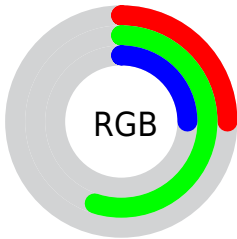
Format	Color
R_{YB}	63, 139, 141
Decimal	4164929
CIE _{Lab}	52.38, -40.30, 33.12
CIE _{LCh}	52, 52.161, 140.584
Yxy	20.4882, 0.3033, 0.4959
Android (android.graphics.Color)	4282355009 (0xFF3F8D41)
YUV	109.0140, -21.6989, -40.3543
Hunter-Lab	45.2639, -29.8036, 20.8189

Details

The XYZ color **12.5289, 20.4882, 8.2953** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.4228, 11.0821, 25.6472**, and the grayscale version is **14.6043, 15.3649, 16.7324**.

A 20% lighter version of the original color is **29.9457, 44.0499, 23.1438**, and **3.7573, 7.3528, 1.7515** is the 20% darker color. If you saturate the color by 10%, you get **11.3905, 19.9424, 6.4115**, and if you desaturate by 10%, it is **13.9958, 21.1933, 10.7008**.

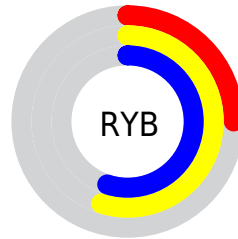
Distribution



Red (25%)

Green (55%)

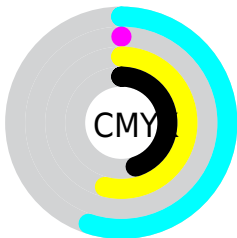
Blue (25%)



Red (25%)

Yellow (55%)

Blue (55%)

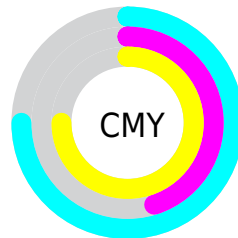


Cyan (55%)

Magenta (0%)

Yellow (54%)

Black (45%)



Cyan (75%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5289, 20.4882, 8.2953 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 12.5289, 20.4882, 8.2953 by changing the saturation by 10% instead.


 12.5289, 20.4882,
8.2953


 12.5289, 20.4882,
8.2953


201.5752,
254.5459, 188.0504


 7.1797, 12.7504,
4.1940


 30.0634, 44.2342,
23.0910


 3.6221, 7.2569,
1.7324


 42.9794, 61.0112,
34.6225


 1.4906, 3.6233,
0.3828

 59.1483, 81.5700,
49.4678

 0.3194, 1.4651,
0.0000

 78.9356, 106.2951,
68.0455

 0.0000, 0.2640,
0.0000

 102.7066,
135.5709, 90.7740

 0.0000, 0.0000,
0.0000

130.8266,

169.7816, 118.0720

163.6610,
209.3119, 150.3580

■ 12.5289, 20.4882,
8.2953

■ 12.5289, 20.4882,
8.2953

■ 11.3905, 19.9424,
6.4115

■ 13.9958, 21.1933,
10.7008

■ 10.5539, 19.5413,
5.0094

■ 15.8123, 22.0661,
13.6611

■ 9.9909, 19.2718,
4.0458

■ 17.9992, 23.1173,
17.2084

■ 9.6630, 19.1152,
3.4689

■ 20.5757, 24.3560,
21.3719

■ 9.5451, 19.0585,
3.2795

■ 23.5593, 25.7908,
26.1789

■ 26.9666, 27.4296,
31.6551

■ 30.8132, 29.2801,
37.8248

■ 35.1141, 31.3493,
44.7110

■ 39.8833, 33.6441,
52.3356

Harmonies

Analogous

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



16.0603, 20.4882, 4.4855



12.5289, 20.4882, 8.2953



10.9516, 20.4882, 17.8064

Triad

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



12.5289, 20.4882, 8.2953



17.8305, 20.4882, 66.1183



30.8432, 20.4882, 13.4341

Complementary

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



12.5289, 20.4882, 8.2953



17.4228, 11.0821, 25.6472

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.



31.5561, 20.4882, 27.5112



12.5289, 20.4882, 8.2953



23.3388, 20.4882, 63.0890

Square

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



12.5289, 20.4882, 8.2953



13.6192, 20.4882, 53.8892



28.6016, 20.4882, 46.8823



26.8027, 20.4882, 6.3619

Rectangle

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



12.5289, 20.4882, 8.2953



10.9765, 20.4882, 28.2000



28.6016, 20.4882, 46.8823



31.5057, 20.4882, 17.3001

Sweetspot

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



12.5294, 20.4891, 8.2958



35.8446, 43.1341, 36.6555



21.1877, 24.9592, 8.4035



7.8240, 9.5466, 7.8932



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.



12.5294, 20.4891, 8.2958



20.0405, 35.5408, 10.8864



14.0386, 21.0927, 16.2428



5.3481, 6.0315, 5.7992



8.7039, 17.3774, 2.9951



0.0841, 0.1665, 0.0333

Inverse Universe

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



17.4228, 11.0821, 25.6472



29.7055, 16.9478, 45.1477



15.0969, 10.1517, 13.3991



5.6204, 5.5087, 6.7648



14.1589, 6.8206, 22.2858



0.1366, 0.0657, 0.2195

Previews

White Background



This preview shows how the XYZ color 12.5289, 20.4882, 8.2953 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 12.5289, 20.4882, 8.2953 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 12.5289, 20.4882, 8.2953

Background



This preview shows how black text looks on a background with the XYZ color 12.5289, 20.4882, 8.2953.



This preview shows how white text looks on a background with the XYZ color 12.5289, 20.4882,

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

12.5289, 20.4882, 8.2953

Protanopia

18.5045, 20.1448, 7.1880

Deuteranopia

20.4967, 20.2279, 8.7853



Tritanopia

16.7388, 20.5076, 29.0627

Trichromacy



Original Color

12.5289, 20.4882, 8.2953

Protanomaly

15.4077, 19.6926, 7.5464

Deuteranomaly

16.2713, 19.5304, 8.5424

Tritanomaly

14.7227, 20.3020, 19.3624

Monochromacy



Original Color

12.5289, 20.4882, 8.2953

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2268, 16.7404, 12.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5289, 20.4882, 8.2953 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(63, 141, 65)` looks like.

```
.text, #text, p{  
    color:rgb(63, 141, 65)  
}
```

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(63, 141, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 141, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.5289, 20.4882, 8.2953 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(63, 141, 65) }
```


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

```
.border{ border-color:rgb(63, 141, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 141, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 141, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 141, 65);  
box-shadow:4px 4px 4px 4px rgb(63, 141,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5289, 20.4882, 8.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 141, 65) }
```

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

```
.background{ background-color: rgb(63, 141,  
65) }
```

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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