

Converting Colors

XYZ(12.9662, 20.0723, 7.8936)

Have a look what the booklet for
XYZ(12.9662, 20.0723, 7.8936)
contains.

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Color

**XYZ(12.9662, 20.0723,
7.8936)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8A3F
RGB	76, 138, 63
RGB Percent	30%, 54%, 25%
CMY	0.7020, 0.4588, 0.7529
CMYK	0.45, 0.00, 0.54, 0.46
HSL	110°, 37%, 39%
HSV	110°, 54%, 54%
XYZ	12.9662, 20.0723, 7.8936
YIQ	110.9120, -12.8770, -36.4690

Conversions

Conversions Part 2

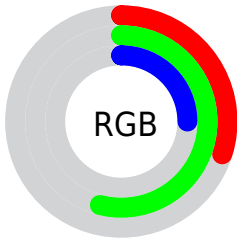
Format	Color
RYB	63, 138, 125
Decimal	5016127
CIELab	51.92, -35.36, 33.71
CIELCh	52, 48.853, 136.372
Yxy	20.0723, 0.3168, 0.4904
Android (android.graphics.Color)	4283206207 (0xFF4C8A3F)
YUV	110.9120, -23.6206, -30.6178
Hunter-Lab	44.8021, -26.7440, 20.9153

Details

The XYZ color **12.9662, 20.0723, 7.8936** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8233, 9.7506, 25.1465**, and the grayscale version is **15.1534, 15.9425, 17.3614**.

A 20% lighter version of the original color is **30.8835, 43.5587, 22.4027**, and **3.7967, 7.0075, 1.5679** is the 20% darker color. If you saturate the color by 10%, you get **11.8006, 19.5111, 6.0722**, and if you desaturate by 10%, it is **14.3903, 20.7567, 10.2327**.

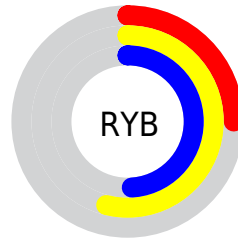
Distribution



Red (30%)

Green (54%)

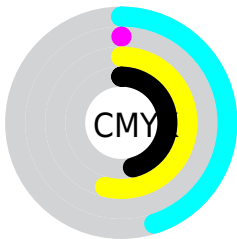
Blue (25%)



Red (25%)

Yellow (54%)

Blue (49%)

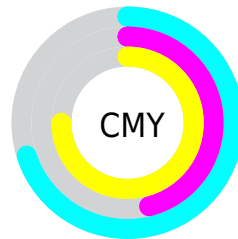


Cyan (45%)

Magenta (0%)

Yellow (54%)

Black (46%)



Cyan (70%)

Magenta (46%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9662, 20.0723, 7.8936 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 12.9662, 20.0723, 7.8936 by changing the saturation by 10% instead.

■ 12.9662, 20.0723,
7.8936

■ 12.9662, 20.0723,
7.8936

204.3429,
252.3062, 184.7984

■ 7.4821, 12.4476,
3.9401

■ 30.8449, 43.5384,
22.2923

■ 3.8144, 7.0493,
1.5926

■ 43.9702, 60.1485,
33.5746

■ 1.5977, 3.4929,
0.2855

■ 60.3733, 80.5226,
48.1370

■ 0.3909, 1.3942,
0.0000

■ 80.4195, 105.0451,
66.3980

■ 0.0000, 0.2124,
0.0000

■ 104.4742,
134.1003, 88.7760

■ 0.0000, 0.0000,
0.0000

■ 132.9028,

168.0726, 115.6898

166.0706,
207.3465, 147.5577

■ 12.9662, 20.0723,
7.8936

■ 12.9662, 20.0723,
7.8936

■ 11.8006, 19.5111,
6.0722

■ 14.3903, 20.7567,
10.2327

■ 10.8761, 19.0633,
4.7279

■ 16.0858, 21.5686,
13.1233

■ 10.1755, 18.7216,
3.8164

■ 18.0667, 22.5149,
16.5979

■ 9.6778, 18.4764,
3.2802

■ 20.3454, 23.6015,
20.6862

■ 9.4636, 18.3709,
3.0472

■ 22.9337, 24.8338,
25.4157

■ 25.8426, 26.2170,
30.8125

■ 29.0827, 27.7559,
36.9010

■ 32.6640, 29.4553,
43.7045

■ 36.5963, 31.3196,
51.2451

Harmonies

Analogous

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



16.5106, 20.0723, 4.7143



12.9662, 20.0723, 7.8936



11.2200, 20.0723, 16.0232

Triad

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



12.9662, 20.0723, 7.8936



16.9151, 20.0723, 60.6732



29.7873, 20.0723, 15.0162

Complementary

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



12.9662, 20.0723, 7.8936



14.8233, 9.7506, 25.1465

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.



29.9470, 20.0723, 28.9544



12.9662, 20.0723, 7.8936



21.8989, 20.0723, 60.0059

Square

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



12.9662, 20.0723, 7.8936



13.2178, 20.0723, 48.2354



26.8602, 20.0723, 46.6822



26.4559, 20.0723, 7.4331

Rectangle

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



12.9662, 20.0723, 7.8936



11.0733, 20.0723, 25.0339



26.8602, 20.0723, 46.6822



30.2313, 20.0723, 18.9579

Sweetspot

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



12.9667, 20.0732, 7.8940



35.0167, 41.1979, 34.9352



18.6183, 20.2411, 7.6286



7.6923, 9.1634, 7.5443



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9667, 20.0732, 7.8940



20.4333, 34.2133, 10.1529



12.8491, 19.9186, 12.1313



5.0475, 5.6472, 5.3764



8.6858, 16.8477, 2.7941



0.0664, 0.1164, 0.0190

Inverse Universe

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



14.8233, 9.7506, 25.1465



24.0124, 14.0404, 43.8277



15.3110, 10.1794, 17.1529



5.1503, 5.0859, 6.3161



10.5891, 4.9730, 22.4475



0.0807, 0.0384, 0.1496

Previews

White Background



This preview shows how the XYZ color 12.9662, 20.0723, 7.8936 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 12.9662, 20.0723, 7.8936 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 12.9662, 20.0723, 7.8936

Background



This preview shows how black text looks on a background with the XYZ color 12.9662, 20.0723, 7.8936.



This preview shows how white text looks on a background with the XYZ color 12.9662, 20.0723,

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

12.9662, 20.0723, 7.8936

Protanopia

18.0000, 19.7056, 6.8579

Deuteranopia

19.9824, 19.6240, 8.2035



Tritanopia

17.0306, 20.0829, 27.7897

Trichromacy



Original Color

12.9662, 20.0723, 7.8936

Protanomaly

15.4742, 19.3420, 7.1928

Deuteranomaly

16.4854, 19.2715, 8.0052

Tritanomaly

15.1499, 19.9233, 18.3763

Monochromacy



Original Color

12.9662, 20.0723, 7.8936

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.8948, 17.0796, 13.1540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9662, 20.0723, 7.8936 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(76, 138, 63)` looks like.

```
.text, #text, p{  
    color:rgb(76, 138, 63)  
}
```

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(76, 138, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 138, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.9662, 20.0723, 7.8936 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(76, 138, 63) }
```


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

```
.border{ border-color:rgb(76, 138, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 138, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 138, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 138, 63);  
box-shadow:4px 4px 4px 4px rgb(76, 138,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9662, 20.0723, 7.8936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 138, 63) }
```

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

```
.background{ background-color: rgb(76, 138,  
63) }
```

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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