

Converting Colors

XYZ(12.7725, 20.2847, 7.0561)

Have a look what the booklet for
XYZ(12.7725, 20.2847, 7.0561)
contains.

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Color

**XYZ(12.7188, 20.1771,
7.0951)**

Conversions

Conversions Part 1

Format	Color
Hex	498B39
RGB	73, 139, 57
RGB Percent	29%, 55%, 22%
CMY	0.7137, 0.4549, 0.7765
CMYK	0.47, 0.00, 0.59, 0.45
HSL	108°, 42%, 38%
HSV	108°, 59%, 55%
XYZ	12.7188, 20.1771, 7.0951
YIQ	109.9180, -13.0140, -39.4940

Conversions

Conversions Part 2

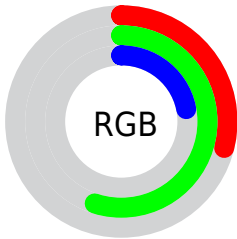
Format	Color
RYB	57, 139, 123
Decimal	4819769
CIELab	52.04, -37.52, 36.82
CIELCh	52, 52.570, 135.535
Yxy	20.1771, 0.3180, 0.5045
Android (android.graphics.Color)	4283009849 (0xFF498B39)
YUV	109.9180, -26.0886, -32.3771
Hunter-Lab	44.9189, -28.0658, 22.0782

Details

The XYZ color **12.7188, 20.1771, 7.0951** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.2927, 9.0019, 25.4114**, and the grayscale version is **14.8731, 15.6476, 17.0403**.

A 20% lighter version of the original color is **30.3280, 43.6371, 20.7343**, and **3.6982, 7.0838, 1.3160** is the 20% darker color. If you saturate the color by 10%, you get **11.6458, 19.6593, 5.4761**, and if you desaturate by 10%, it is **14.0403, 20.8133, 9.2222**.

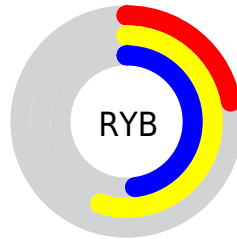
Distribution



Red (29%)

Green (55%)

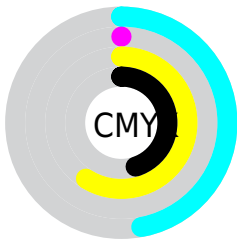
Blue (22%)



Red (22%)

Yellow (55%)

Blue (48%)

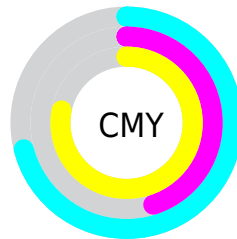


Cyan (47%)

Magenta (0%)

Yellow (59%)

Black (45%)



Cyan (71%)

Magenta (45%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7188, 20.1771, 7.0951 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 12.7188, 20.1771, 7.0951 by changing the saturation by 10% instead.

■ 12.7188, 20.1771,
7.0951

■ 12.7188, 20.1771,
7.0951

202.7818,
252.8723, 178.1124

■ 7.3109, 12.5238,
3.4423

■ 30.4033, 43.7139,
20.6804

■ 3.7053, 7.1015,
1.3247

■ 43.4106, 60.3662,
31.4500

■ 1.5368, 3.5257,
0.0819

■ 59.6816, 80.7871,
45.4289

■ 0.3507, 1.4119,
0.0000

■ 79.5819, 105.3608,
63.0357

■ 0.0000, 0.2255,
0.0000

■ 103.4767,
134.4717, 84.6889

■ 0.0000, 0.0000,
0.0000

■ 131.7314,

168.5044, 110.8070

164.7113,
207.8431, 141.8087

■ 12.7188, 20.1771,
7.0951

■ 12.7188, 20.1771,
7.0951

■ 11.6458, 19.6593,
5.4761

■ 14.0403, 20.8133,
9.2222

■ 10.8037, 19.2498,
4.3217

■ 15.6235, 21.5719,
11.8937

■ 10.1747, 18.9413,
3.5831

■ 17.4823, 22.4602,
15.1439

■ 9.7264, 18.7195,
3.1408

■ 19.6292, 23.4837,
19.0042

■ 9.6882, 18.7007,
3.0990

■ 22.0760, 24.6480,
23.5035

■ 24.8337, 25.9582,
28.6689

■ 27.9129, 27.4191,
34.5261

■ 31.3235, 29.0354,
41.0992

■ 35.0752, 30.8115,
48.4113

Harmonies

Analogous

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



16.5460, 20.1771, 4.0307



12.7188, 20.1771, 7.0951



10.8245, 20.1771, 15.3868

Triad

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



12.7188, 20.1771, 7.0951



16.7153, 20.1771, 64.7756



30.9291, 20.1771, 14.9701

Complementary

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



12.7188, 20.1771, 7.0951



14.2927, 9.0019, 25.4114

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.



30.9978, 20.1771, 30.2038



12.7188, 20.1771, 7.0951



22.0747, 20.1771, 64.4823

Square

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



12.7188, 20.1771, 7.0951



12.8227, 20.1771, 50.5099



27.5199, 20.1771, 49.8331



27.3469, 20.1771, 6.9130

Rectangle

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



12.7188, 20.1771, 7.0951



10.6351, 20.1771, 24.9434



27.5199, 20.1771, 49.8331



31.3834, 20.1771, 19.2417

Sweetspot

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



12.7193, 20.1780, 7.0955



35.3988, 42.1715, 34.4829



18.4203, 19.8522, 6.7322



7.9111, 9.6003, 7.4995



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.



12.7193, 20.1780, 7.0955



20.2732, 34.9228, 8.9810



12.4284, 19.9391, 11.0971



5.0571, 5.6522, 5.3768



8.7556, 16.8836, 2.7974



0.0678, 0.1171, 0.0190

Inverse Universe

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



14.2927, 9.0019, 25.4114



23.3009, 12.9045, 45.0057



15.1714, 9.6398, 17.1010



5.1399, 5.0805, 6.3156



10.2370, 4.7915, 22.4310



0.0793, 0.0377, 0.1495

Previews

White Background



This preview shows how the XYZ color 12.7188, 20.1771, 7.0951 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 12.7188, 20.1771, 7.0951 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 12.7188, 20.1771, 7.0951

Background



This preview shows how black text looks on a background with the XYZ color 12.7188, 20.1771, 7.0951.



This preview shows how white text looks on a background with the XYZ color 12.7188, 20.1771,

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

12.7188, 20.1771, 7.0951

Protanopia

18.1440, 19.9816, 6.1494

Deuteranopia

20.3245, 19.9911, 7.4901



Tritanopia

16.9102, 20.0122, 28.1708

Trichromacy



Original Color

12.7188, 20.1771, 7.0951

Protanomaly

15.4555, 19.5443, 6.4479

Deuteranomaly

16.4715, 19.4696, 7.3047

Tritanomaly

14.7693, 19.7398, 17.7836

Monochromacy



Original Color

12.7188, 20.1771, 7.0951

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6555, 16.9715, 12.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7188, 20.1771, 7.0951 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(73, 139, 57)` looks like.

```
.text, #text, p{  
    color:rgb(73, 139, 57)  
}
```

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(73, 139, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 139, 57) }
```

Border

The CSS property to change the border of an element to XYZ 12.7188, 20.1771, 7.0951 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(73, 139, 57) }
```


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

```
.border{ border-color:rgb(73, 139, 57) }
```

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

Here you see how a box with a 4 pixel rgb(73, 139, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 139, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 139, 57);  
box-shadow:4px 4px 4px 4px rgb(73, 139,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7188, 20.1771, 7.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 139, 57) }
```

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

```
.background{ background-color: rgb(73, 139,  
57) }
```

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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