

Converting Colors

XYZ(12.2015, 19.8076, 6.9062)

Have a look what the booklet for
XYZ(12.2015, 19.8076, 6.9062)
contains.

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Color

**XYZ(12.2612, 19.9441,
6.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	438B38
RGB	67, 139, 56
RGB Percent	26%, 55%, 22%
CMY	0.7373, 0.4549, 0.7804
CMYK	0.52, 0.00, 0.60, 0.45
HSL	112°, 43%, 38%
HSV	112°, 60%, 55%
XYZ	12.2612, 19.9441, 6.9447
YIQ	108.0100, -16.2690, -41.0770

Conversions

Conversions Part 2

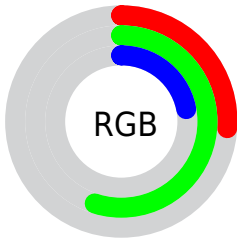
Format	Color
RYB	56, 139, 128
Decimal	4426552
CIELab	51.77, -39.49, 36.94
CIELCh	52, 54.076, 136.908
Yxy	19.9441, 0.3132, 0.5094
Android (android.graphics.Color)	4282616632 (0xFF438B38)
YUV	108.0100, -25.6409, -35.9658
Hunter-Lab	44.6588, -29.1453, 22.0412

Details

The XYZ color **12.2612, 19.9441, 6.9447** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.9774, 9.2822, 25.4295**, and the grayscale version is **14.3301, 15.0764, 16.4182**.

A 20% lighter version of the original color is **29.5566, 43.2455, 20.4251**, and **3.5116, 6.9882, 1.2786** is the 20% darker color. If you saturate the color by 10%, you get **11.2252, 19.4446, 5.3616**, and if you desaturate by 10%, it is **13.5648, 20.5718, 9.0340**.

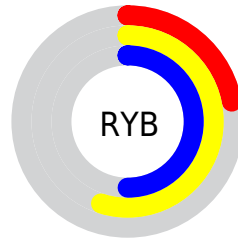
Distribution



Red (26%)

Green (55%)

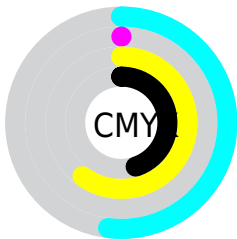
Blue (22%)



Red (22%)

Yellow (55%)

Blue (50%)

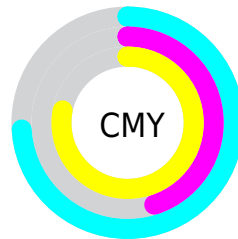


Cyan (52%)

Magenta (0%)

Yellow (60%)

Black (45%)



Cyan (74%)


Magenta (45%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2612, 19.9441, 6.9447 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 12.2612, 19.9441, 6.9447 by changing the saturation by 10% instead.

 12.2612, 19.9441,
6.9447


 12.2612, 19.9441,
6.9447


199.8617,
251.6123, 176.8169


 6.9953, 12.3544,
3.3496


 29.5827, 43.3234,
20.3728


 3.5055, 6.9855,
1.2758


 42.3690, 59.8819,
31.0430


 1.4264, 3.4531,
0.0418

 58.3928, 80.1987,
44.9086

 0.2749, 1.3726,
0.0000

 78.0194, 104.6583,
62.3881

 0.0000, 0.1964,
0.0000

 101.6143,
133.6451, 83.9002

 0.0000, 0.0000,
0.0000

 129.5427,

167.5434, 109.8633

162.1701,
206.7377, 140.6960

■ 12.2612, 19.9441,
6.9447

■ 12.2612, 19.9441,
6.9447

■ 11.2252, 19.4446,
5.3616

■ 13.5648, 20.5718,
9.0340

■ 10.4365, 19.0620,
4.2406

■ 15.1515, 21.3332,
11.6662

■ 9.8742, 18.7872,
3.5321

■ 17.0373, 22.2363,
14.8759

■ 9.4993, 18.6031,
3.1016

■ 19.2367, 23.2878,
18.6948

■ 9.4904, 18.5988,
3.0897

■ 21.7630, 24.4942,
23.1519

■ 24.6289, 25.8612,
28.2747

■ 27.8465, 27.3946,
34.0889

■ 31.4272, 29.0996,
40.6188

■ 35.3817, 30.9815,
47.8876

Harmonies

Analogous

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



16.0565, 19.9441, 3.7574



12.2612, 19.9441, 6.9447



10.4405, 19.9441, 15.5776

Triad

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



12.2612, 19.9441, 6.9447



16.6704, 19.9441, 66.3052



30.9173, 19.9441, 14.0746

Complementary

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



12.2612, 19.9441, 6.9447



14.9774, 9.2822, 25.4295

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.



31.1694, 19.9441, 29.2855



12.2612, 19.9441, 6.9447



22.1857, 19.9441, 65.2175

Square

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



12.2612, 19.9441, 6.9447



12.6357, 19.9441, 52.0103



27.7297, 19.9441, 49.5100



27.0957, 19.9441, 6.3017

Rectangle

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



12.2612, 19.9441, 6.9447



10.3086, 19.9441, 25.5476



27.7297, 19.9441, 49.5100



31.4449, 19.9441, 18.2876

Sweetspot

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



12.2617, 19.9449, 6.9451



35.0112, 41.9717, 34.4647



19.0727, 21.1965, 6.8277



7.8123, 9.5494, 7.4948



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.



12.2617, 19.9449, 6.9451



19.5065, 34.5322, 8.7340



12.5614, 19.9858, 12.0920



5.0295, 5.6380, 5.3755



8.5744, 16.7902, 2.7889



0.0638, 0.1151, 0.0188

Inverse Universe

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



14.9774, 9.2822, 25.4295



24.7798, 13.5480, 45.0519



14.7994, 9.4126, 15.3835



5.1698, 5.0960, 6.3170



11.2801, 5.3292, 22.4798



0.0833, 0.0397, 0.1497

Previews

White Background



This preview shows how the XYZ color 12.2612, 19.9441, 6.9447 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 12.2612, 19.9441, 6.9447 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 12.2612, 19.9441, 6.9447

Background



This preview shows how black text looks on a background with the XYZ color 12.2612, 19.9441, 6.9447.



This preview shows how white text looks on a background with the XYZ color 12.2612, 19.9441,

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

12.2612, 19.9441, 6.9447

Protanopia

17.9970, 19.7233, 5.9904

Deuteranopia

19.9933, 19.6497, 7.2964



Tritanopia

16.4465, 19.7732, 28.1491

Trichromacy



Original Color

12.2612, 19.9441, 6.9447

Protanomaly

15.1750, 19.4023, 6.3134

Deuteranomaly

15.8950, 18.9865, 7.1020

Tritanomaly

14.3439, 19.5205, 17.7637

Monochromacy



Original Color

12.2612, 19.9441, 6.9447

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.9142, 16.2421, 11.9056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2612, 19.9441, 6.9447 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(67, 139, 56)` looks like.

```
.text, #text, p{  
    color:rgb(67, 139, 56)  
}
```

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(67, 139, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 139, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.2612, 19.9441, 6.9447 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(67, 139, 56) }
```


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

```
.border{ border-color:rgb(67, 139, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 139, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 139, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 139, 56);  
box-shadow:4px 4px 4px 4px rgb(67, 139,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2612, 19.9441, 6.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 139, 56) }
```

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

```
.background{ background-color: rgb(67, 139,  
56) }
```

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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