

Converting Colors

XYZ(27.6846, 42.6067, 12.1269)

Have a look what the booklet for
XYZ(27.6846, 42.6067, 12.1269)
contains.

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Color

**XYZ(27.5543, 42.3967,
12.0413)**

Conversions

Conversions Part 1

Format	Color
Hex	76C143
RGB	118, 193, 67
RGB Percent	46%, 76%, 26%
CMY	0.5373, 0.2431, 0.7372
CMYK	0.39, 0.00, 0.65, 0.24
HSL	96°, 50%, 51%
HSV	96°, 65%, 76%
XYZ	27.5543, 42.3967, 12.0413
YIQ	156.2110, -4.2540, -55.0860

Conversions

Conversions Part 2

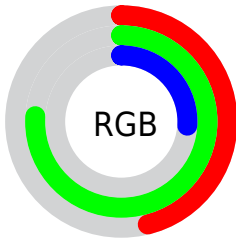
Format	Color
RYB	67, 193, 142
Decimal	7782723
CIELab	71.14, -44.70, 54.25
CIELCh	71, 70.293, 129.489
Yxy	42.3967, 0.3361, 0.5171
Android (android.graphics.Color)	4285972803 (0xFF76C143)
YUV	156.2110, -43.9810, -33.5110
Hunter-Lab	65.1127, -38.4100, 34.6144

Details

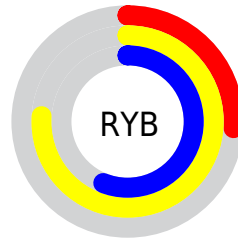
The XYZ color **27.5543, 42.3967, 12.0413** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **22.7901, 13.6167, 51.8815**, and the grayscale version is **31.8870, 33.5476, 36.5333**.

A 20% lighter version of the original color is **55.3160, 78.8657, 30.3963**, and **11.1571, 19.4573, 3.1676** is the 20% darker color. If you saturate the color by 10%, you get **25.6030, 41.4482, 9.4152**, and if you desaturate by 10%, it is **29.8906, 43.5240, 15.6941**.

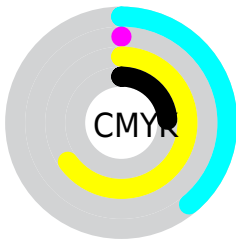
Distribution



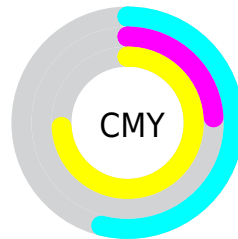
- Red (46%)
- Green (76%)
- Blue (26%)



- Red (26%)
- Yellow (76%)
- Blue (56%)



- Cyan (39%)
- Magenta (0%)
- Yellow (65%)
- Black (24%)



- Cyan (54%)
- Magenta (24%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5543, 42.3967, 12.0413 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 27.5543, 42.3967, 12.0413 by changing the saturation by 10% instead.

■ 27.5543, 42.3967,
12.0413

■ 27.5543, 42.3967,
12.0413

282.4499,
356.1248, 215.6661

■ 18.1287, 29.4120,
6.6489

■ 55.1857, 78.7997,
30.2358

■ 11.1427, 19.3927,
3.1684

■ 74.1222, 102.9868,
43.8751

■ 6.2309, 11.9544,
1.1813

■ 96.9597, 131.6768,
61.1003

■ 3.0280, 6.7126,
0.0000

■ 124.0636,
165.2541, 82.3302

■ 1.1686, 3.2830,
0.0000

■ 155.7992,
204.1032, 107.9831

■ 0.0813, 1.2812,
0.0000

192.5319,

■ 0.0000, 0.1266,

248.6084, 138.4778

0.0000

234.6270,
299.1542, 174.2326

■ 0.0000, 0.0000,
0.0000

■ 27.5543, 42.3967,
12.0413

■ 27.5543, 42.3967,
12.0413

■ 25.6030, 41.4482,
9.4152

■ 29.8906, 43.5240,
15.6941

■ 24.0069, 40.6615,
7.7072

■ 32.6326, 44.8349,
20.4622

■ 22.7352, 40.0250,
6.7887

■ 35.8029, 46.3405,
26.4279

■ 22.2221, 39.7662,
6.5044

■ 39.4213, 48.0494,
33.6647

■ 43.5063, 49.9697,
42.2406

■ 48.0752, 52.1089,
52.2183

■ 53.1444, 54.4743,
63.6569

■ 58.7294, 57.0725,
76.6120

■ 64.8452, 59.9102,
91.1363

Harmonies

Analogous

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



36.6812, 42.3967, 7.2108



27.5543, 42.3967, 12.0413



22.6047, 42.3967, 26.9787

Triad

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



27.5543, 42.3967, 12.0413



32.8782, 42.3967, 137.3209



66.9825, 42.3967, 36.2844

Complementary

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



27.5543, 42.3967, 12.0413



22.7901, 13.6167, 51.8815

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.



65.4166, 42.3967, 72.7900



27.5543, 42.3967, 12.0413



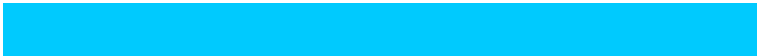
44.1425, 42.3967, 144.0916

Square

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



27.5543, 42.3967, 12.0413



25.2375, 42.3967, 100.8392



56.4635, 42.3967, 116.3921



60.3992, 42.3967, 16.0031

Rectangle

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



27.5543, 42.3967, 12.0413



21.6438, 42.3967, 45.5870



56.4635, 42.3967, 116.3921



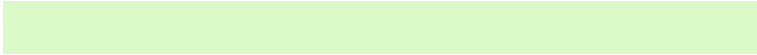
67.4165, 42.3967, 46.7434

Sweetspot

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



27.5553, 42.3985, 12.0422



74.1307, 87.7143, 67.6180



32.4585, 30.6471, 9.5155



15.4664, 18.6121, 13.5947



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.5553, 42.3985, 12.0422



44.6543, 73.6423, 15.4725



22.7433, 39.8781, 13.6134



10.3217, 11.4533, 10.7286



14.8651, 26.4921, 4.3300



0.7202, 1.1848, 0.1907

Inverse Universe

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



22.7901, 13.6167, 51.8815



35.4013, 18.2851, 92.0238



32.4964, 18.7510, 46.4361



10.0902, 10.0377, 12.6905



11.1872, 5.0276, 33.9374



0.5597, 0.2566, 1.4699

Previews

White Background



This preview shows how the XYZ color 27.5543, 42.3967, 12.0413 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 27.5543, 42.3967, 12.0413 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 27.5543, 42.3967, 12.0413

Background



This preview shows how black text looks on a background with the XYZ color 27.5543, 42.3967, 12.0413.



This preview shows how white text looks on a background with the XYZ color 27.5543, 42.3967,

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

27.5543, 42.3967, 12.0413

Protanopia

38.2537, 42.0892, 10.6653

Deuteranopia

42.7840, 41.8791, 12.6660



Tritanopia

36.8554, 42.3912, 57.8696

Trichromacy



Original Color

27.5543, 42.3967, 12.0413



Protanomaly

33.1752, 41.5249, 11.1171



Deuteranomaly

35.3550, 40.8443, 12.3237



Tritanomaly

32.0543, 41.6613, 34.3690

Monochromacy



Original Color

27.5543, 42.3967, 12.0413



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.9814, 35.5820, 24.4093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5543, 42.3967, 12.0413 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(118, 193, 67)` looks like.

```
.text, #text, p{  
    color:rgb(118, 193, 67)  
}
```

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(118, 193, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 193, 67) }
```

Border

The CSS property to change the border of an element to XYZ 27.5543, 42.3967, 12.0413 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(118, 193, 67) }
```


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

```
.border{ border-color:rgb(118, 193, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 193, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 193, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 193, 67);  
box-shadow:4px 4px 4px 4px rgb(118, 193,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5543, 42.3967, 12.0413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 193, 67) }
```

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

```
.background{ background-color: rgb(118,  
193, 67) }
```

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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