

Converting Colors

XYZ(26.4169, 42.9300, 12.0826)

Have a look what the booklet for
XYZ(26.4169, 42.9300, 12.0826)
contains.

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Color

**XYZ(26.3168, 42.7568,
12.0201)**

Conversions

Conversions Part 1

Format	Color
Hex	67C442
RGB	103, 196, 66
RGB Percent	40%, 77%, 26%
CMY	0.5961, 0.2314, 0.7412
CMYK	0.47, 0.00, 0.66, 0.23
HSL	103°, 52%, 51%
HSV	103°, 66%, 77%
XYZ	26.3168, 42.7568, 12.0201
YIQ	153.3730, -13.6980, -60.1460

Conversions

Conversions Part 2

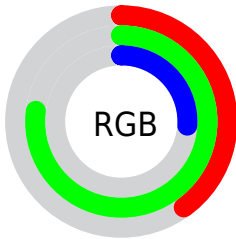
Format	Color
RYB	66, 196, 159
Decimal	6800450
CIELab	71.39, -50.79, 54.73
CIElCh	71, 74.666, 132.863
Yxy	42.7568, 0.3245, 0.5273
Android (android.graphics.Color)	4284990530 (0xFF67C442)
YUV	153.3730, -43.0749, -44.1771
Hunter-Lab	65.3887, -42.5898, 34.8731

Details

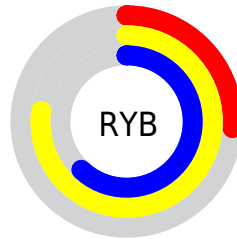
The XYZ color **26.3168, 42.7568, 12.0201** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **26.2125, 15.2544, 53.7898**, and the grayscale version is **30.6283, 32.2234, 35.0912**.

A 20% lighter version of the original color is **53.2134, 79.1837, 30.2486**, and **10.4393, 19.5212, 3.2178** is the 20% darker color. If you saturate the color by 10%, you get **24.3596, 41.8049, 9.4120**, and if you desaturate by 10%, it is **28.7438, 43.9307, 15.6853**.

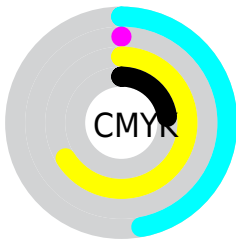
Distribution



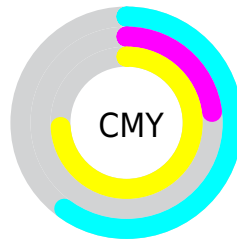
- Red (40%)
- Green (77%)
- Blue (26%)



- Red (26%)
- Yellow (77%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (66%)
- Black (23%)





- Cyan (60%)
- Magenta (23%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.3168, 42.7568, 12.0201 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 26.3168, 42.7568, 12.0201 by changing the saturation by 10% instead.


 26.3168, 42.7568,
12.0201


 26.3168, 42.7568,
12.0201


276.5620,
357.6107, 215.5209


 17.1947, 29.6943,
6.6347


 53.2132, 79.3437,
30.1967

 10.4696, 19.6067,
3.1597


 71.7183, 103.6370,
43.8248


 5.7760, 12.1095,
1.1768


 94.0818, 132.4427,
61.0377

 2.7487, 6.8183,
0.0000

 120.6689,
166.1451, 82.2538

 1.0223, 3.3487,
0.0000

 151.8452,
205.1287, 107.8916

 0.0000, 1.3164,
0.0000

187.9759,

 0.0000, 0.1538,

249.7779, 138.3697

0.0000

229.4264,
300.4771, 174.1066

■ 0.0000, 0.0000,
0.0000

■ 26.3168, 42.7568,
12.0201

■ 26.3168, 42.7568,
12.0201

■ 24.3596, 41.8049,
9.4120

■ 28.7438, 43.9307,
15.6853

■ 22.8345, 41.0539,
7.7457

■ 31.6682, 45.3347,
20.5013

■ 21.7006, 40.4874,
6.8780

■ 35.1190, 46.9832,
26.5546

■ 21.3594, 40.3161,
6.6560

■ 39.1218, 48.8878,
33.9228

■ 43.7006, 51.0593,
42.6770

■ 48.8779, 53.5077,
52.8833

■ 54.6747, 56.2427,
64.6036

■ 61.1113, 59.2733,
77.8959

■ 68.2068, 62.6083,
92.8156

Harmonies

Analogous

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



35.4930, 42.7568, 6.4289



26.3168, 42.7568, 12.0201



21.6436, 42.7568, 28.9942

Triad

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



26.3168, 42.7568, 12.0201



33.9260, 42.7568, 148.9576



69.0454, 42.7568, 32.7843

Complementary

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



26.3168, 42.7568, 12.0201



26.2125, 15.2544, 53.7898

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.



68.3834, 42.7568, 70.0713



26.3168, 42.7568, 12.0201



46.2600, 42.7568, 151.8772

Square

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



26.3168, 42.7568, 12.0201



25.3744, 42.7568, 111.2901



59.3947, 42.7568, 117.9438



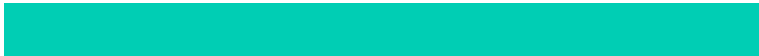
61.0511, 42.7568, 13.5616

Rectangle

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



26.3168, 42.7568, 12.0201



20.9657, 42.7568, 50.0981



59.3947, 42.7568, 117.9438



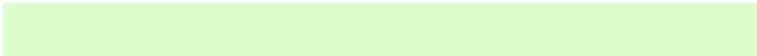
69.8693, 42.7568, 43.1828

Sweetspot

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



26.3178, 42.7586, 12.0210



75.7264, 90.8644, 70.6741



35.8072, 36.2450, 10.2636



15.7045, 19.2096, 14.1649



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



26.3178, 42.7586, 12.0210



42.6709, 75.0137, 15.3621



23.9198, 41.4129, 16.8589



10.2077, 11.3945, 10.7232



13.7978, 25.9419, 4.2801



0.6661, 1.1569, 0.1882

Inverse Universe

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



26.2125, 15.2544, 53.7898



42.2455, 21.4506, 96.5215



31.9705, 18.5357, 39.9249



10.2089, 10.0989, 12.6960



13.4635, 6.2011, 34.0439



0.6466, 0.3014, 1.4740

Previews

White Background



This preview shows how the XYZ color 26.3168, 42.7568, 12.0201 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 26.3168, 42.7568, 12.0201 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 26.3168, 42.7568, 12.0201

Background



This preview shows how black text looks on a background with the XYZ color 26.3168, 42.7568, 12.0201.



This preview shows how white text looks on a background with the XYZ color 26.3168, 42.7568,

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

26.3168, 42.7568, 12.0201

Protanopia

38.1998, 42.0677, 10.3815

Deuteranopia

42.7840, 41.8791, 12.6660



Tritanopia

35.7307, 42.3798, 59.7230

Trichromacy



Original Color

26.3168, 42.7568, 12.0201



Protanomaly

32.2954, 41.3808, 10.8426



Deuteranomaly

34.1506, 40.5172, 12.1516



Tritanomaly

30.9595, 42.0200, 35.3331

Monochromacy



Original Color

26.3168, 42.7568, 12.0201



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.6308, 34.9073, 23.3706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.3168, 42.7568, 12.0201 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(103, 196, 66)` looks like.

```
.text, #text, p{  
    color:rgb(103, 196, 66)  
}
```

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(103, 196, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 196, 66) }
```

Border

The CSS property to change the border of an element to XYZ 26.3168, 42.7568, 12.0201 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(103, 196, 66) }
```


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

```
.border{ border-color:rgb(103, 196, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 196, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 196, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 196, 66);  
box-shadow:4px 4px 4px 4px rgb(103, 196,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 26.3168, 42.7568, 12.0201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 196, 66) }
```

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

```
.background{ background-color: rgb(103,  
196, 66) }
```

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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