

Converting Colors

XYZ(24.0616, 41.4610, 11.9184)

Have a look what the booklet for
XYZ(24.0616, 41.4610, 11.9184)
contains.

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Color

**XYZ(24.1166, 41.6225,
11.9171)**

Conversions

Conversions Part 1

Format	Color
Hex	51C442
RGB	81, 196, 66
RGB Percent	32%, 77%, 26%
CMY	0.6824, 0.2314, 0.7412
CMYK	0.59, 0.00, 0.66, 0.23
HSL	113°, 52%, 51%
HSV	113°, 66%, 77%
XYZ	24.1166, 41.6225, 11.9171
YIQ	146.7950, -26.8100, -64.8100

Conversions

Conversions Part 2

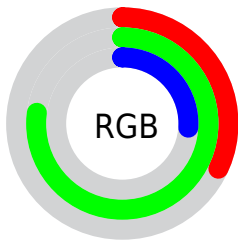
Format	Color
RYB	66, 196, 181
Decimal	5358658
CIELab	70.61, -56.78, 53.66
CIELCh	71, 78.122, 136.618
Yxy	41.6225, 0.3106, 0.5360
Android (android.graphics.Color)	4283548738 (0xFF51C442)
YUV	146.7950, -39.8319, -57.7022
Hunter-Lab	64.5155, -46.1769, 34.2090

Details

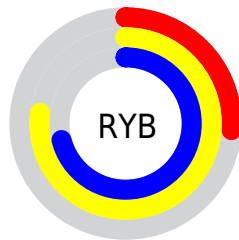
The XYZ color **24.1166, 41.6225, 11.9171** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **30.9705, 17.7073, 54.0123**, and the grayscale version is **27.8166, 29.2653, 31.8699**.

A 20% lighter version of the original color is **49.8165, 77.9024, 30.1804**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **22.3343, 40.7606, 9.3171**, and if you desaturate by 10%, it is **26.4783, 42.7626, 15.5792**.

Distribution



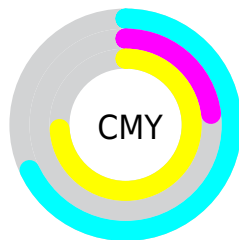
- Red (32%)
- Green (77%)
- Blue (26%)



- Red (26%)
- Yellow (77%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (66%)
- Black (23%)





- Cyan (68%)
- Magenta (23%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1166, 41.6225, 11.9171 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 24.1166, 41.6225, 11.9171 by changing the saturation by 10% instead.


 24.1166, 41.6225,
11.9171


 24.1166, 41.6225,
11.9171


265.8390,
352.9157, 214.8141


 15.5453, 28.8058,
6.5654


 49.6737, 77.6280,
30.0062


 9.2918, 18.9340,
3.1175


 67.3902, 101.5856,
43.5806


 4.9906, 11.6226,
1.1550


 88.8859, 130.0256,
60.7331

 2.2765, 6.4872,
0.0000

 114.5261,
163.3324, 81.8820

 0.7826, 3.1436,
0.0000

 144.6762,
201.8904, 107.4461

 0.0000, 1.2071,
0.0000

179.7014,

 0.0000, 0.0675,

246.0840, 137.8437

0.0000

219.9672,
296.2976, 173.4936

■ 0.0000, 0.0000,
0.0000

■ 24.1166, 41.6225,
11.9171

■ 24.1166, 41.6225,
11.9171

■ 22.3343, 40.7606,
9.3171

■ 26.4783, 42.7626,
15.5792

■ 21.0776, 40.1481,
7.6635

■ 29.4609, 44.1967,
20.3979

■ 20.2864, 39.7583,
6.8117

■ 33.1057, 45.9452,
26.4603

■ 20.0852, 39.6591,
6.5964

■ 37.4494, 48.0256,
33.8444

■ 42.5261, 50.4537,
42.6219

■ 48.3676, 53.2445,
52.8592

■ 55.0038, 56.4122,
64.6187

■ 62.4631, 59.9700,
77.9589

■ 70.7723, 63.9307,
92.9353

Harmonies

Analogous

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



32.8749, 41.6225, 5.6206



24.1166, 41.6225, 11.9171



19.9844, 41.6225, 30.7700

Triad

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



24.1166, 41.6225, 11.9171



34.0866, 41.6225, 155.7100



68.4509, 41.6225, 27.8700

Complementary

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



24.1166, 41.6225, 11.9171



30.9705, 17.7073, 54.0123

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.



68.9753, 41.6225, 63.8564



24.1166, 41.6225, 11.9171



47.0971, 41.6225, 153.3555

Square

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



24.1166, 41.6225, 11.9171



24.8364, 41.6225, 119.1619



60.4959, 41.6225, 113.8342



59.1894, 41.6225, 10.7892

Rectangle

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



24.1166, 41.6225, 11.9171



19.6633, 41.6225, 54.0209



60.4959, 41.6225, 113.8342



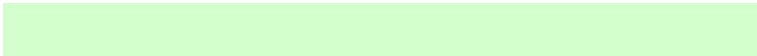
69.7151, 41.6225, 37.6072

Sweetspot

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



24.1176, 41.6242, 11.9180



73.2041, 89.5641, 70.5561



40.2402, 45.1112, 11.7413



15.1103, 18.9033, 14.1371



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.



24.1176, 41.6242, 11.9180



39.2227, 73.2361, 15.2007



25.1307, 41.8971, 23.2358



10.0500, 11.3132, 10.7159



12.9433, 25.5014, 4.2401



0.5959, 1.1207, 0.1849

Inverse Universe

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



30.9705, 17.7073, 54.0123



52.3400, 26.6545, 96.9940



29.9159, 17.7138, 29.1061



10.3792, 10.1866, 12.7040



17.5778, 8.3221, 34.2365



0.7926, 0.3766, 1.4808

Previews

White Background



This preview shows how the XYZ color 24.1166, 41.6225, 11.9171 looks on a white background.

Color Contrast Check

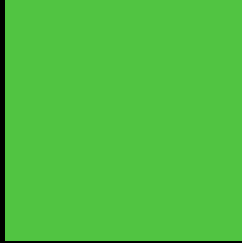
Large Text (above 18pt) WCAG AA × Fail

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 24.1166, 41.6225, 11.9171 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 24.1166, 41.6225, 11.9171

Background



This preview shows how black text looks on a background with the XYZ color 24.1166, 41.6225, 11.9171.



This preview shows how white text looks on a background with the XYZ color 24.1166, 41.6225,

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

24.1166, 41.6225, 11.9171

Protanopia

37.2802, 41.0273, 10.0919

Deuteranopia

41.5881, 40.7273, 12.6904



Tritanopia

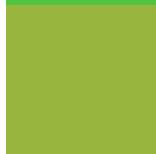
33.5569, 41.2592, 59.6213

Trichromacy



Original Color

24.1166, 41.6225, 11.9171



Protanomaly

30.3423, 40.0709, 10.6927



Deuteranomaly

31.8424, 39.0335, 12.1593



Tritanomaly

28.6338, 40.8211, 35.2243

Monochromacy



Original Color

24.1166, 41.6225, 11.9171



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.8935, 32.4292, 22.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1166, 41.6225, 11.9171 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(81, 196, 66)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 196, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 196, 66) }
```

Border

The CSS property to change the border of an element to XYZ 24.1166, 41.6225, 11.9171 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(81, 196, 66) }
```


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

```
.border{ border-color:rgb(81, 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(81, 196, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 196, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 196, 66);  
box-shadow:4px 4px 4px 4px rgb(81, 196,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1166, 41.6225, 11.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 196, 66) }
```

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

```
.background{ background-color: rgb(81, 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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