

Converting Colors

XYZ(30.5186, 52.0615, 14.4682)

Have a look what the booklet for
XYZ(30.5186, 52.0615, 14.4682)
contains.

XYZ(30.5171, 52.0535, 14.4001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.5171, 52.0535,
14.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	60D847
RGB	96, 216, 71
RGB Percent	38%, 85%, 28%
CMY	0.6235, 0.1529, 0.7216
CMYK	0.56, 0.00, 0.67, 0.15
HSL	110°, 65%, 56%
HSV	110°, 67%, 85%
XYZ	30.5171, 52.0535, 14.4001
YIQ	163.5900, -24.9750, -70.5350

Conversions

Conversions Part 2

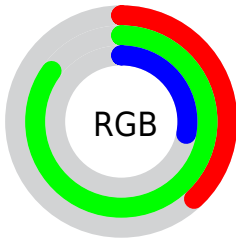
Format	Color
RYB	71, 216, 191
Decimal	6346823
CIELab	77.31, -59.83, 58.99
CIELCh	77, 84.020, 135.408
Yxy	52.0535, 0.3147, 0.5368
Android (android.graphics.Color)	4284536903 (0xFF60D847)
YUV	163.5900, -45.6469, -59.2764
Hunter-Lab	72.1481, -50.7575, 38.6699

Details

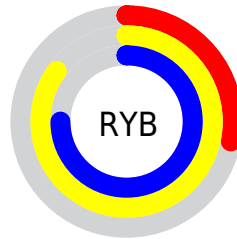
The XYZ color **30.5171, 52.0535, 14.4001** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **36.1367, 20.5426, 67.0291**, and the grayscale version is **35.3114, 37.1504, 40.4567**.

A 20% lighter version of the original color is **53.4305, 80.1945, 32.4017**, and **12.7845, 25.2518, 4.2003** is the 20% darker color. If you saturate the color by 10%, you get **28.2719, 50.9640, 11.2976**, and if you desaturate by 10%, it is **33.4387, 53.4664, 18.8220**.

Distribution



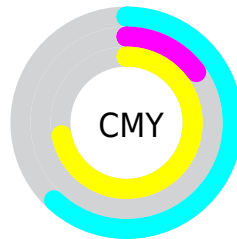
- Red (38%)
- Green (85%)
- Blue (28%)



- Red (28%)
- Yellow (85%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (67%)
- Black (15%)



- Cyan (62%)
- Magenta (15%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5171, 52.0535, 14.4001 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 30.5171, 52.0535, 14.4001 by changing the saturation by 10% instead.

■ 30.5171, 52.0535,
14.4001

■ 30.5171, 52.0535,
14.4001

296.1742,
394.6431, 231.2202

■ 20.3814, 37.0477,
8.2575

■ 59.8600, 93.2101,
34.5246

■ 12.7825, 25.2444,
4.1701

■ 79.7980, 120.1298,
49.3436

■ 7.3549, 16.2593,
1.7191

■ 103.7341,
151.7895, 67.8918

■ 3.7333, 9.7078,
0.3738

■ 132.0337,
188.5737, 90.5878

■ 1.5524, 5.2057,
0.0000

■ 165.0621,
230.8668, 117.8501

■ 0.3611, 2.3684,
0.0000

203.1848,

■ 0.0000, 0.8096,

279.0531, 150.0972

0.0000

246.7670,
333.5171, 187.7477

■ 0.0000, 0.0000,
0.0000

■ 30.5171, 52.0535,
14.4001

■ 30.5171, 52.0535,
14.4001

■ 28.2719, 50.9640,
11.2976

■ 33.4387, 53.4664,
18.8220

■ 26.6426, 50.1652,
9.3650

■ 37.0832, 55.2192,
24.6848

■ 25.5610, 49.6276,
8.4100


■ 41.4969, 57.3350,
32.0999

■ 25.3284, 49.5116,
8.2218


■ 46.7213, 59.8330,
41.1668

■ 52.7948, 62.7310,
51.9770

 59.7532, 66.0457,
64.6150

 67.6304, 69.7928,
79.1599

 76.4585, 73.9872,
95.6862

 83.8469, 77.5939,
105.1656

Harmonies

Analogous

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



41.6860, 52.0535, 6.9382



30.5171, 52.0535, 14.4001



25.1269, 52.0535, 37.1209

Triad

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



30.5171, 52.0535, 14.4001



42.0680, 52.0535, 193.3579



85.7902, 52.0535, 36.2065

Complementary

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



30.5171, 52.0535, 14.4001



36.1367, 20.5426, 67.0291

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.



85.9554, 52.0535, 82.1204



30.5171, 52.0535, 14.4001



58.1791, 52.0535, 192.6165

Square

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



30.5171, 52.0535, 14.4001



30.7441, 52.0535, 146.3454



75.0027, 52.0535, 144.6674



74.5911, 52.0535, 14.0441

Rectangle

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



30.5171, 52.0535, 14.4001



24.5821, 52.0535, 65.4656



75.0027, 52.0535, 144.6674



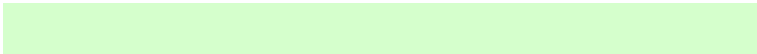
87.2072, 52.0535, 48.7132

Sweetspot

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



30.5183, 52.0557, 14.4013



74.0393, 89.9946, 70.5952



47.7459, 51.6311, 13.4113



15.3065, 19.0044, 14.1463



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.



30.5183, 52.0557, 14.4013



39.9640, 73.6246, 14.9499



30.3620, 51.7361, 25.1911



12.4600, 13.9978, 13.2058



15.0542, 29.3370, 4.8692



0.9702, 1.8015, 0.2966

Inverse Universe

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



36.1367, 20.5426, 67.0291



48.4574, 24.4921, 96.7812



37.8377, 22.0122, 40.3282



12.7332, 12.5194, 15.6829



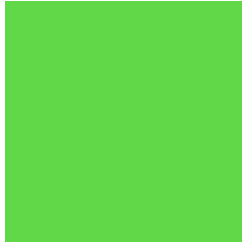
18.3887, 8.6322, 39.1501



1.1658, 0.5499, 2.3640

Previews

White Background



This preview shows how the XYZ color 30.5171, 52.0535, 14.4001 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 30.5171, 52.0535, 14.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

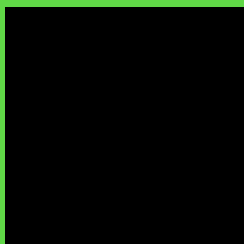
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5171, 52.0535, 14.4001

Background



This preview shows how black text looks on a background with the XYZ color 30.5171, 52.0535, 14.4001.



This preview shows how white text looks on a background with the XYZ color 30.5171, 52.0535,

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

30.5171, 52.0535, 14.4001

Protanopia

46.4902, 51.1941, 12.2816

Deuteranopia

52.1435, 50.9292, 15.2657



Tritanopia

42.3796, 51.7386, 74.0826

Trichromacy



Original Color

30.5171, 52.0535, 14.4001



Protanomaly

38.0141, 49.7981, 12.9186



Deuteranomaly

40.2484, 48.8948, 14.7135



Tritanomaly

36.1746, 50.9871, 43.5322

Monochromacy



Original Color

30.5171, 52.0535, 14.4001



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.6102, 40.9676, 27.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5171, 52.0535, 14.4001 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(96, 216, 71)` looks like.

```
.text, #text, p{  
    color:rgb(96, 216, 71)  
}
```

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(96, 216, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 216, 71) }
```

Border

The CSS property to change the border of an element to XYZ 30.5171, 52.0535, 14.4001 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(96, 216, 71) }
```


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

```
.border{ border-color:rgb(96, 216, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 216, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 216, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 216, 71);  
box-shadow:4px 4px 4px 4px rgb(96, 216,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5171, 52.0535, 14.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 216, 71) }
```

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

```
.background{ background-color: rgb(96, 216,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor