

Converting Colors

XYZ(33.0035, 46.5363, 12.6320)

Have a look what the booklet for
XYZ(33.0035, 46.5363, 12.6320)
contains.

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Color

**XYZ(33.0423, 46.5529,
12.7129)**

Conversions

Conversions Part 1

Format	Color
Hex	93C544
RGB	147, 197, 68
RGB Percent	58%, 77%, 27%
CMY	0.4235, 0.2274, 0.7333
CMYK	0.25, 0.00, 0.65, 0.23
HSL	83°, 53%, 52%
HSV	83°, 65%, 77%
XYZ	33.0423, 46.5529, 12.7129
YIQ	167.3440, 11.6090, -50.7190

Conversions

Conversions Part 2

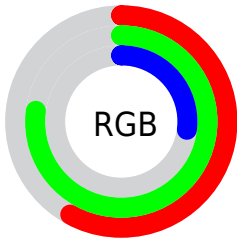
Format	Color
RYB	68, 197, 118
Decimal	9684292
CIELab	73.90, -35.94, 57.25
CIElCh	74, 67.599, 122.119
Yxy	46.5529, 0.3580, 0.5043
Android (android.graphics.Color)	4287874372 (0xFF93C544)
YUV	167.3440, -48.9766, -17.8417
Hunter-Lab	68.2297, -32.9579, 36.7136

Details

The XYZ color **33.0423, 46.5529, 12.7129** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **19.6182, 12.0183, 54.1117**, and the grayscale version is **37.1273, 39.0608, 42.5372**.

A 20% lighter version of the original color is **63.8565, 85.1261, 31.4777**, and **14.2361, 21.9202, 3.4807** is the 20% darker color. If you saturate the color by 10%, you get **31.2153, 45.6707, 9.9994**, and if you desaturate by 10%, it is **35.1644, 47.5668, 16.4964**.

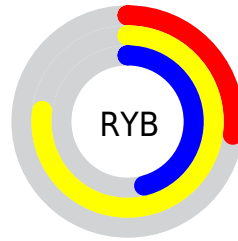
Distribution



Red (58%)

Green (77%)

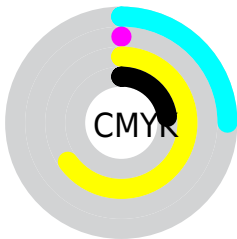
Blue (27%)



Red (27%)

Yellow (77%)

Blue (46%)

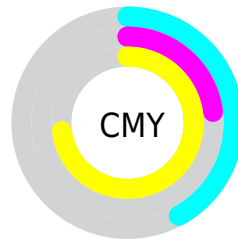


Cyan (25%)

Magenta (0%)

Yellow (65%)

Black (23%)



Cyan (42%)

Magenta (23%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0423, 46.5529, 12.7129 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 33.0423, 46.5529, 12.7129 by changing the saturation by 10% instead.

■ 33.0423, 46.5529,
12.7129

■ 33.0423, 46.5529,
12.7129

307.5019,
373.0271, 220.2122

■ 22.3182, 32.6823,
7.1028

■ 63.7958, 85.0459,
31.4706

■ 14.2088, 21.8832,
3.4470

■ 84.5560, 110.4371,
45.4553

■ 8.3487, 13.7711,
1.3272

■ 109.3922,
140.4372, 63.0685

■ 4.3726, 7.9616,
0.0839

■ 138.6698,
175.4308, 84.7288

■ 1.9150, 4.0704,
0.0000

■ 172.7543,
215.8022, 110.8548

■ 0.5855, 1.7130,
0.0000

212.0109,

■ 0.0000, 0.4321,

261.9358, 141.8650

0.0000

256.8050,
314.2159, 178.1780

■ 0.0000, 0.0000,
0.0000

■ 33.0423, 46.5529,
12.7129

■ 33.0423, 46.5529,
12.7129

■ 31.2153, 45.6707,
9.9994

■ 35.1644, 47.5668,
16.4964

■ 29.6573, 44.9048,
8.2412

■ 37.5983, 48.7146,
21.4430

■ 28.3413, 44.2459,
7.3022

■ 40.3629, 50.0055,
27.6393

■ 27.8020, 43.9735,
7.0224

■ 43.4745, 51.4463,
35.1627

■ 46.9483, 53.0433,
44.0842

■ 50.7983, 54.8021,
54.4701

■ 55.0377, 56.7284,
66.3821

■ 59.6791, 58.8272,
79.8787

■ 64.7344, 61.1035,
95.0151

Harmonies

Analogous

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



43.3966, 46.5529, 9.1029



33.0423, 46.5529, 12.7129



26.7730, 46.5529, 25.5704

Triad

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



33.0423, 46.5529, 12.7129



34.2778, 46.5529, 134.8069



71.6555, 46.5529, 48.2760

Complementary

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



33.0423, 46.5529, 12.7129



19.6182, 12.0183, 54.1117

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.



68.0333, 46.5529, 88.4557



33.0423, 46.5529, 12.7129



45.1087, 46.5529, 150.0374

Square

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



33.0423, 46.5529, 12.7129



27.3901, 46.5529, 94.7543



57.7357, 46.5529, 130.1556



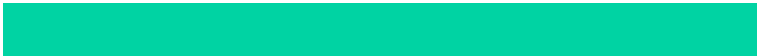
66.8993, 46.5529, 22.9729

Rectangle

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



33.0423, 46.5529, 12.7129



25.0451, 46.5529, 42.1275



57.7357, 46.5529, 130.1556



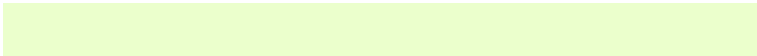
71.3761, 46.5529, 60.3365

Sweetspot

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



33.0434, 46.5550, 12.7139



80.9963, 93.5811, 70.9207



30.4849, 25.1170, 8.7108



16.9616, 19.8577, 14.2238



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.



33.0434, 46.5550, 12.7139



54.5268, 81.1189, 16.2185



24.5828, 42.1934, 12.3179



11.1104, 12.2039, 11.3328



18.3815, 28.9713, 4.6232



0.9497, 1.4127, 0.2226

Inverse Universe

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



19.6182, 12.0183, 54.1117



28.8075, 14.6930, 95.9255



31.4265, 18.1057, 54.6643



10.4390, 10.4846, 13.3910



8.6954, 3.7169, 35.0035



0.4925, 0.2176, 1.6612

Previews

White Background



This preview shows how the XYZ color 33.0423, 46.5529, 12.7129 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 33.0423, 46.5529, 12.7129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

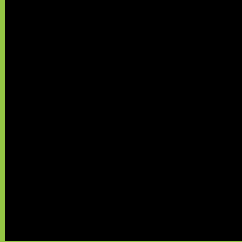
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0423, 46.5529, 12.7129

Background



This preview shows how black text looks on a background with the XYZ color 33.0423, 46.5529, 12.7129.



This preview shows how white text looks on a background with the XYZ color 33.0423, 46.5529,

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

33.0423, 46.5529, 12.7129

Protanopia

41.8064, 45.9745, 11.5210

Deuteranopia

47.1084, 46.0344, 13.2401



Tritanopia

42.5535, 46.1910, 60.7058

Trichromacy



Original Color

33.0423, 46.5529, 12.7129

Protanomaly

38.0159, 45.8674, 11.8507

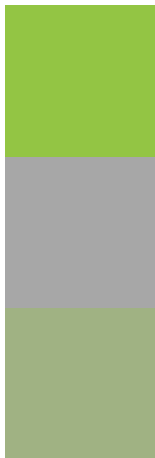
Deuteranomaly

40.7524, 45.3991, 12.9184

Tritanomaly

37.6881, 45.7977, 36.1316

Monochromacy



Original Color

33.0423, 46.5529, 12.7129

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.5143, 40.9531, 27.5584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0423, 46.5529, 12.7129 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(147, 197, 68)` looks like.

```
.text, #text, p{  
    color:rgb(147, 197, 68)  
}
```

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(147, 197, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 197, 68) }
```

Border

The CSS property to change the border of an element to XYZ 33.0423, 46.5529, 12.7129 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(147, 197, 68) }
```


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

```
.border{ border-color:rgb(147, 197, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 197, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 197, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 197, 68);  
box-shadow:4px 4px 4px 4px rgb(147, 197,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0423, 46.5529, 12.7129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 197, 68) }
```

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

```
.background{ background-color: rgb(147,  
197, 68) }
```

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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