

Converting Colors

XYZ(30.8652, 46.4637, 12.3437)

Have a look what the booklet for
XYZ(30.8652, 46.4637, 12.3437)
contains.

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Color

**XYZ(30.8143, 46.4360,
12.3400)**

Conversions

Conversions Part 1

Format	Color
Hex	82C841
RGB	130, 200, 65
RGB Percent	51%, 78%, 25%
CMY	0.4902, 0.2157, 0.7451
CMYK	0.35, 0.00, 0.67, 0.22
HSL	91°, 55%, 52%
HSV	91°, 67%, 78%
XYZ	30.8143, 46.4360, 12.3400
YIQ	163.6800, 1.6150, -56.8250

Conversions

Conversions Part 2

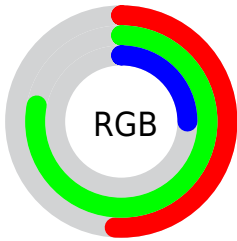
Format	Color
RYB	65, 200, 135
Decimal	8570945
CIELab	73.83, -43.70, 58.09
CIELCh	74, 72.692, 126.956
Yxy	46.4360, 0.3439, 0.5183
Android (android.graphics.Color)	4286761025 (0xFF82C841)
YUV	163.6800, -48.6492, -29.5374
Hunter-Lab	68.1440, -38.5353, 36.9641

Details

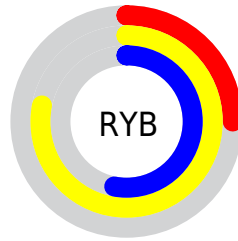
The XYZ color **30.8143, 46.4360, 12.3400** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **22.3095, 13.1031, 55.9995**, and the grayscale version is **35.3589, 37.2003, 40.5112**.

A 20% lighter version of the original color is **59.5833, 83.4167, 30.4134**, and **12.9494, 21.7066, 3.5073** is the 20% darker color. If you saturate the color by 10%, you get **28.8233, 45.4666, 9.7398**, and if you desaturate by 10%, it is **33.1730, 47.5742, 16.0297**.

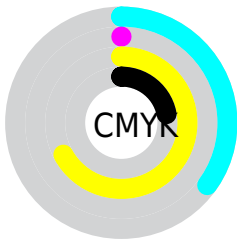
Distribution



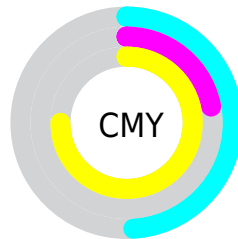
- Red (51%)
- Green (78%)
- Blue (25%)



- Red (25%)
- Yellow (78%)
- Blue (53%)



- Cyan (35%)
- Magenta (0%)
- Yellow (67%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8143, 46.4360, 12.3400 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 30.8143, 46.4360, 12.3400 by changing the saturation by 10% instead.


 30.8143, 46.4360,
12.3400


 30.8143, 46.4360,
12.3400


297.5241,
372.5587, 217.7006


 20.6086, 32.5900,
6.8503


 60.3254, 84.8711,
30.7865

 12.9490, 21.8126,
3.2916


 80.3616, 110.2291,
44.5803


 7.4702, 13.7192,
1.2454


 104.4052,
140.1931, 61.9793

 3.8068, 7.9256,
0.0164

 132.8218,
175.1477, 83.4020

 1.5934, 4.0474,
0.0000

 165.9766,
215.4771, 109.2670

 0.3881, 1.7001,
0.0000

204.2350,

 0.0000, 0.4237,

261.5658, 139.9927

0.0000

247.9624,
313.7983, 175.9977

■ 0.0000, 0.0000,
0.0000

■ 30.8143, 46.4360,
12.3400

■ 30.8143, 46.4360,
12.3400

■ 28.8233, 45.4666,
9.7398

■ 33.1730, 47.5742,
16.0297

■ 27.1691, 44.6483,
8.1059

■ 35.9200, 48.8852,
20.9087

■ 25.8158, 43.9677,
7.2697

■ 39.0781, 50.3802,
27.0687

■ 25.5098, 43.8131,
7.1123

■ 42.6670, 52.0675,
34.5918

■ 46.7048, 53.9549,
43.5532

■ 51.2088, 56.0498,
54.0225

■ 56.1950, 58.3589,
66.0649

■ 61.6788, 60.8888,
79.7417

■ 67.6746, 63.6458,
95.1109

Harmonies

Analogous

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



41.1935, 46.4360, 7.7031



30.8143, 46.4360, 12.3400



24.9852, 46.4360, 27.4992

Triad

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



30.8143, 46.4360, 12.3400



35.1028, 46.4360, 148.4432



73.6963, 46.4360, 42.4199

Complementary

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



30.8143, 46.4360, 12.3400



22.3095, 13.1031, 55.9995

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.



71.1909, 46.4360, 83.8630



30.8143, 46.4360, 12.3400



47.2155, 46.4360, 159.2702

Square

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



30.8143, 46.4360, 12.3400



27.1025, 46.4360, 106.5765



60.8315, 46.4360, 131.4578



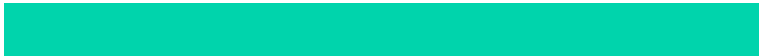
67.1301, 46.4360, 18.7009

Rectangle

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



30.8143, 46.4360, 12.3400



23.6753, 46.4360, 46.8735



60.8315, 46.4360, 131.4578



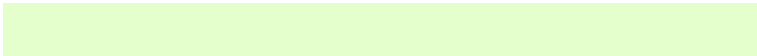
73.9047, 46.4360, 54.4368

Sweetspot

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



30.8154, 46.4380, 12.3410



78.8300, 92.4643, 70.8194



33.4046, 29.9211, 9.0165



16.4425, 19.5901, 14.1995



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.



30.8154, 46.4380, 12.3410



48.4962, 78.0230, 15.3492



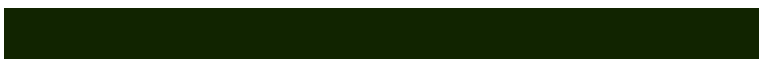
23.8563, 42.8428, 12.3624



10.9752, 12.1342, 11.3264



16.3217, 27.9094, 4.5268



0.8564, 1.3646, 0.2183

Inverse Universe

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



22.3095, 13.1031, 55.9995



32.7502, 16.3947, 96.0461



35.8758, 20.1269, 55.2716



10.5725, 10.5534, 13.3973



10.3414, 4.5654, 35.0805



0.5730, 0.2591, 1.6650

Previews

White Background



This preview shows how the XYZ color 30.8143, 46.4360, 12.3400 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 30.8143, 46.4360, 12.3400 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 30.8143, 46.4360, 12.3400

Background



This preview shows how black text looks on a background with the XYZ color 30.8143, 46.4360, 12.3400.



This preview shows how white text looks on a background with the XYZ color 30.8143, 46.4360,

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

30.8143, 46.4360, 12.3400

Protanopia

41.6966, 45.9305, 10.9428

Deuteranopia

46.7630, 45.8603, 13.0439



Tritanopia

40.8254, 46.1945, 62.6418

Trichromacy



Original Color

30.8143, 46.4360, 12.3400

Protanomaly

36.7572, 45.5443, 11.4111

Deuteranomaly

39.1005, 44.8580, 12.5589

Tritanomaly

35.6725, 45.7171, 36.6499

Monochromacy



Original Color

30.8143, 46.4360, 12.3400

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.5673, 39.6782, 26.3643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8143, 46.4360, 12.3400 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(130, 200, 65)` looks like.

```
.text, #text, p{  
    color:rgb(130, 200, 65)  
}
```

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(130, 200, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 200, 65) }
```

Border

The CSS property to change the border of an element to XYZ 30.8143, 46.4360, 12.3400 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(130, 200, 65) }
```


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

```
.border{ border-color:rgb(130, 200, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 200, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 200, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 200, 65);  
box-shadow:4px 4px 4px 4px rgb(130, 200,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8143, 46.4360, 12.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 200, 65) }
```

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

```
.background{ background-color: rgb(130,  
200, 65) }
```

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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