

Converting Colors

XYZ(30.8416, 44.7819, 14.0510)

Have a look what the booklet for
XYZ(30.8416, 44.7819, 14.0510)
contains.

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Color

**XYZ(30.8463, 44.7169,
14.0266)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 87C34D |
| RGB | 135, 195, 77 |
| RGB Percent | 53%, 76%, 30% |
| CMY | 0.4706, 0.2353, 0.6980 |
| CMYK | 0.31, 0.00, 0.61, 0.24 |
| HSL | 91°, 50%, 53% |
| HSV | 91°, 61%, 76% |
| XYZ | 30.8463, 44.7169, 14.0266 |
| YIQ | 163.6080, 2.1180, -49.4180 |

Conversions

Conversions Part 2

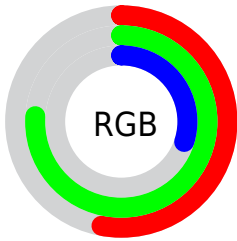
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 77, 195, 137 |
| Decimal | 8897357 |
| CIELab | 72.71, -38.75, 51.93 |
| CIElCh | 73, 64.792, 126.727 |
| Yxy | 44.7169, 0.3443, 0.4991 |
| Android (android.graphics.Color) | 4287087437 (0xFF87C34D) |
| YUV | 163.6080, -42.6977, -25.0892 |
| Hunter-Lab | 66.8707, -34.6847, 34.3730 |

Details

The XYZ color **30.8463, 44.7169, 14.0266** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **22.8227, 14.5676, 53.2412**, and the grayscale version is **35.2970, 37.1352, 40.4402**.

A 20% lighter version of the original color is **60.3255, 82.3089, 33.8268**, and **12.9594, 20.8057, 3.9947** is the 20% darker color. If you saturate the color by 10%, you get **28.7369, 43.6988, 10.8571**, and if you desaturate by 10%, it is **33.3129, 45.8980, 18.2918**.

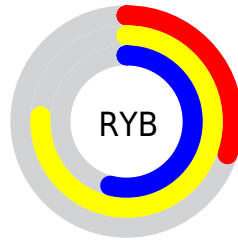
Distribution



Red (53%)

Green (76%)

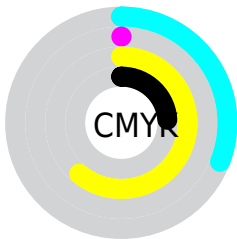
Blue (30%)



Red (30%)

Yellow (76%)

Blue (54%)

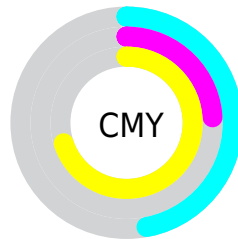


Cyan (31%)

Magenta (0%)

Yellow (61%)

Black (24%)



Cyan (47%)

Magenta (24%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8463, 44.7169, 14.0266 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 30.8463, 44.7169, 14.0266 by changing the saturation by 10% instead.

■ 30.8463, 44.7169,
14.0266

■ 30.8463, 44.7169,
14.0266

297.6691,
365.6258, 228.8304

■ 20.6331, 31.2345,
8.0002

■ 60.3755, 82.2954,
33.8540

■ 12.9670, 20.7775,
4.0073

■ 80.4222, 107.1603,
48.4921

■ 7.4827, 12.9614,
1.6294

■ 104.4774,
136.5882, 66.8379

■ 3.8147, 7.4020,
0.3116

■ 132.9066,
170.9634, 89.3099

■ 1.5979, 3.7148,
0.0000

■ 166.0749,
210.6704, 116.3265

■ 0.3910, 1.5153,
0.0000

204.3479,

■ 0.0000, 0.2995,

256.0935, 148.3065

0.0000

248.0909,
307.6172, 185.6683

■ 0.0000, 0.0000,
0.0000

■ 30.8463, 44.7169,
14.0266

■ 30.8463, 44.7169,
14.0266

■ 28.7369, 43.6988,
10.8571

■ 33.3129, 45.8980,
18.2918

■ 26.9582, 42.8283,
8.6798

■ 36.1540, 47.2451,
23.7380

■ 25.4847, 42.0959,
7.3762

■ 39.3896, 48.7680,
30.4455

■ 24.3234, 41.5104,
6.7303

■ 43.0368, 50.4740,
38.4867

■ 47.1119, 52.3700,
47.9286

■ 51.6301, 54.4626,
58.8335

■ 56.6058, 56.7577,
71.2601

■ 62.0526, 59.2613,
85.2639

■ 67.9837, 61.9790,
100.8974

Harmonies

Analogous

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



40.0211, 44.7169, 9.4641



30.8463, 44.7169, 14.0266



25.5828, 44.7169, 28.1033

Triad

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



30.8463, 44.7169, 14.0266



34.5237, 44.7169, 130.5269



67.7740, 44.7169, 41.7946

Complementary

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



30.8463, 44.7169, 14.0266



22.8227, 14.5676, 53.2412

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.



65.6010, 44.7169, 77.4603



30.8463, 44.7169, 14.0266



45.0835, 44.7169, 139.6254

Square

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



30.8463, 44.7169, 14.0266



27.4298, 44.7169, 95.8599



56.7765, 44.7169, 117.0330



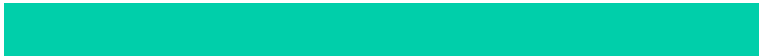
62.2785, 44.7169, 20.2676

Rectangle

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



30.8463, 44.7169, 14.0266



24.3741, 44.7169, 45.2405



56.7765, 44.7169, 117.0330



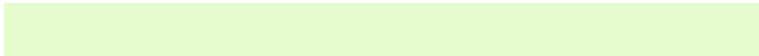
67.9290, 44.7169, 52.3086

Sweetspot

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



30.8474, 44.7189, 14.0276



78.6381, 91.1237, 72.4812



32.6511, 29.7479, 11.0428



16.7683, 19.7441, 14.8447



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.



30.8474, 44.7189, 14.0276



50.2464, 77.6673, 17.8377



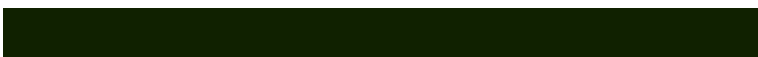
23.9166, 41.1459, 13.7032



10.4052, 11.4964, 10.7325



15.9048, 27.0280, 4.3787



0.7668, 1.2088, 0.1929

Inverse Universe

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



22.8227, 14.5676, 53.2412



34.5937, 18.8788, 94.2905



35.0117, 20.8512, 53.8116



10.0056, 9.9940, 12.6865



9.8551, 4.3409, 33.8751



0.5052, 0.2285, 1.4674

Previews

White Background



This preview shows how the XYZ color 30.8463, 44.7169, 14.0266 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 30.8463, 44.7169, 14.0266 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 30.8463, 44.7169, 14.0266

Background



This preview shows how black text looks on a background with the XYZ color 30.8463, 44.7169, 14.0266.



This preview shows how white text looks on a background with the XYZ color 30.8463, 44.7169,

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

30.8463, 44.7169, 14.0266

Protanopia

40.3788, 44.3144, 12.5562

Deuteranopia

45.0411, 44.0919, 14.7310



Tritanopia

39.9604, 44.5736, 59.3207

Trichromacy



Original Color

30.8463, 44.7169, 14.0266

Protanomaly

36.0557, 43.8894, 13.0497

Deuteranomaly

38.1824, 43.1414, 14.2973

Tritanomaly

35.3742, 43.9515, 36.7561

Monochromacy



Original Color

30.8463, 44.7169, 14.0266

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.6317, 39.0982, 27.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8463, 44.7169, 14.0266 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(135, 195, 77)` looks like.

```
.text, #text, p{  
    color:rgb(135, 195, 77)  
}
```

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(135, 195, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 195, 77) }
```

Border

The CSS property to change the border of an element to XYZ 30.8463, 44.7169, 14.0266 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(135, 195, 77) }
```


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

```
.border{ border-color:rgb(135, 195, 77) }
```

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

Here you see how a box with a 4 pixel rgb(135, 195, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 195, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 195, 77);  
box-shadow:4px 4px 4px 4px rgb(135, 195,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8463, 44.7169, 14.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 195, 77) }
```

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

```
.background{ background-color: rgb(135,  
195, 77) }
```

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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