

Converting Colors

XYZ(30.6265, 45.7285, 8.9959)

Have a look what the booklet for
XYZ(30.6265, 45.7285, 8.9959)
contains.

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Color

**XYZ(30.6814, 45.7560,
8.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	88C625
RGB	136, 198, 37
RGB Percent	53%, 78%, 15%
CMY	0.4667, 0.2235, 0.8549
CMYK	0.31, 0.00, 0.81, 0.22
HSL	83°, 69%, 46%
HSV	83°, 81%, 78%
XYZ	30.6814, 45.7560, 8.9650
YIQ	161.1080, 14.7290, -63.2150

Conversions

Conversions Part 2

Format	Color
RYB	37, 198, 99
Decimal	8963621
CIELab	73.39, -42.30, 67.11
CIELCh	73, 79.325, 122.223
Yxy	45.7560, 0.3593, 0.5358
Android (android.graphics.Color)	4287153701 (0xFF88C625)
YUV	161.1080, -61.1852, -22.0197
Hunter-Lab	67.6432, -37.4121, 39.4923

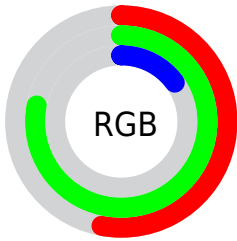
Details

The XYZ color **30.6814, 45.7560, 8.9650** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **16.0023, 8.0544, 54.1400**, and the grayscale version is **34.1988, 35.9798, 39.1820**.

A 20% lighter version of the original color is **60.1658, 83.8524, 24.3233**, and **13.1977, 21.6088, 3.4753** is the 20% darker color. If you saturate the color by 10%, you get **29.2564, 45.0495, 7.6923**, and if you desaturate by 10%, it is **32.3651, 46.5793, 11.1308**.

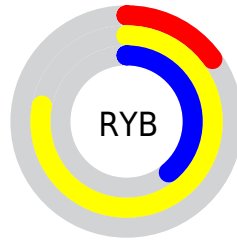
Distribution



Red (53%)

Green (78%)

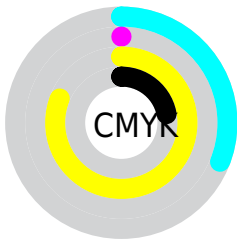
Blue (15%)



Red (15%)

Yellow (78%)

Blue (39%)

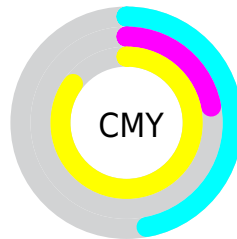


Cyan (31%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (47%)


Magenta (22%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6814, 45.7560, 8.9650 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 30.6814, 45.7560, 8.9650 by changing the saturation by 10% instead.


 30.6814, 45.7560,
8.9650


 30.6814, 45.7560,
8.9650


296.9210,
369.8268, 193.3250


 20.5070, 32.0533,
4.6219


 60.1174, 83.8537,
24.4063


 12.8745, 21.4022,
1.9723


 80.1097, 109.0175,
36.3415


 7.4186, 13.4183,
0.5382


 104.1053,
138.7705, 51.6445

 3.7739, 7.7172,
0.0000

 132.4696,
173.4971, 70.7338

 1.5750, 3.9146,
0.0000

 165.5680,
213.5816, 94.0280

 0.3760, 1.6259,
0.0000

 203.7658,

 0.0000, 0.3750,

259.4085, 121.9456

0.0000

247.4283,
311.3621, 154.9051

■ 0.0000, 0.0000,
0.0000

■ 30.6814, 45.7560,
8.9650

■ 30.6814, 45.7560,
8.9650

■ 29.2564, 45.0495,
7.6923

■ 32.3651, 46.5793,
11.1308

■ 28.1853, 44.5093,
7.1056

■ 34.3301, 47.5239,
14.3127

■ 36.5990, 48.6006,
18.6173

■ 39.1912, 49.8175,
24.1372

■ 42.1240, 51.1815,
30.9553

■ 45.4133, 52.6993,
39.1470

■ 49.0738, 54.3769,
48.7822

■ 53.1195, 56.2201,
59.9260

■ 57.5634, 58.2342,
72.6394

Harmonies

Analogous

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



42.4559, 45.7560, 5.7075



30.6814, 45.7560, 8.9650



23.7897, 45.7560, 21.8812

Triad

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



30.6814, 45.7560, 8.9650



32.1341, 45.7560, 153.5882



76.2319, 45.7560, 46.8952

Complementary

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



30.6814, 45.7560, 8.9650



16.0023, 8.0544, 54.1400

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.



71.8483, 45.7560, 94.9591



30.6814, 45.7560, 8.9650



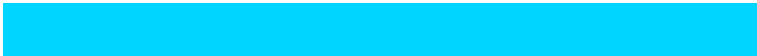
44.5401, 45.7560, 173.0079

Square

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



30.6814, 45.7560, 8.9650



24.4936, 45.7560, 103.1294



59.4429, 45.7560, 147.3529



70.4018, 45.7560, 19.0283

Rectangle

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



30.6814, 45.7560, 8.9650



21.9351, 45.7560, 40.1191



59.4429, 45.7560, 147.3529



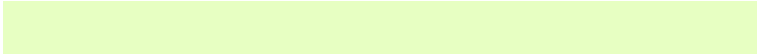
75.9026, 45.7560, 60.9719

Sweetspot

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



30.6825, 45.7580, 8.9660



78.5691, 92.4666, 64.6281



28.0596, 21.0113, 4.3276



16.3655, 19.5833, 12.7078



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.



30.6825, 45.7580, 8.9660



50.0377, 78.8772, 12.7340



22.1484, 41.3585, 8.5666



11.1130, 12.2052, 11.3329



18.4267, 28.9946, 4.6253



0.9516, 1.4137, 0.2227

Inverse Universe

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



16.0023, 8.0544, 54.1400



23.5108, 10.1173, 95.3214



29.4970, 15.0112, 54.7715



10.4365, 10.4833, 13.3909



8.6693, 3.7035, 35.0023



0.4911, 0.2169, 1.6611

Previews

White Background



This preview shows how the XYZ color 30.6814, 45.7560, 8.9650 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 30.6814, 45.7560, 8.9650 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 30.6814, 45.7560, 8.9650

Background



This preview shows how black text looks on a background with the XYZ color 30.6814, 45.7560, 8.9650.



This preview shows how white text looks on a background with the XYZ color 30.6814, 45.7560,

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

30.6814, 45.7560, 8.9650

Protanopia

40.9391, 45.3034, 7.9532

Deuteranopia

46.0459, 45.0049, 9.5088



Tritanopia

40.9669, 45.3731, 60.6315

Trichromacy



Original Color

30.6814, 45.7560, 8.9650

Protanomaly

36.4192, 45.1211, 8.3031

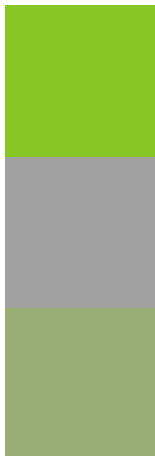
Deuteranomaly

38.8267, 44.1852, 9.1715

Tritanomaly

35.1440, 44.5845, 31.5643

Monochromacy



Original Color

30.6814, 45.7560, 8.9650

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.2373, 38.2085, 22.2516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6814, 45.7560, 8.9650 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(136, 198, 37)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 37)  
}
```

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(136, 198, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 37) }
```

Border

The CSS property to change the border of an element to XYZ 30.6814, 45.7560, 8.9650 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(136, 198, 37) }
```


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

```
.border{ border-color:rgb(136, 198, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 198, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 198, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 198, 37);  
box-shadow:4px 4px 4px 4px rgb(136, 198,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6814, 45.7560, 8.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 37) }
```

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

```
.background{ background-color: rgb(136,  
198, 37) }
```

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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