

Converting Colors

XYZ(29.8222, 42.9614, 13.6515)

Have a look what the booklet for
XYZ(29.8222, 42.9614, 13.6515)
contains.

XYZ(29.8019, 42.8658, 13.7244)	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(29.8019, 42.8658,
13.7244)**

Conversions

Conversions Part 1

Format	Color
Hex	86BF4D
RGB	134, 191, 77
RGB Percent	53%, 75%, 30%
CMY	0.4745, 0.2510, 0.6980
CMYK	0.30, 0.00, 0.60, 0.25
HSL	90°, 47%, 53%
HSV	90°, 60%, 75%
XYZ	29.8019, 42.8658, 13.7244
YIQ	160.9610, 2.6220, -47.5380

Conversions

Conversions Part 2

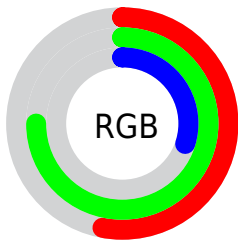
Format	Color
RYB	77, 191, 134
Decimal	8830797
CIELab	71.46, -37.32, 50.52
CIELCh	71, 62.809, 126.452
Yxy	42.8658, 0.3450, 0.4962
Android (android.graphics.Color)	4287020877 (0xFF86BF4D)
YUV	160.9610, -41.3928, -23.6448
Hunter-Lab	65.4720, -33.3253, 33.4019

Details

The XYZ color **29.8019, 42.8658, 13.7244** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.8913, 14.1390, 50.8680**, and the grayscale version is **34.0446, 35.8176, 39.0054**.

A 20% lighter version of the original color is **58.8319, 79.6937, 33.4007**, and **12.3893, 19.6509, 3.8495** is the 20% darker color. If you saturate the color by 10%, you get **27.7702, 41.8866, 10.6113**, and if you desaturate by 10%, it is **32.1711, 43.9988, 17.8885**.

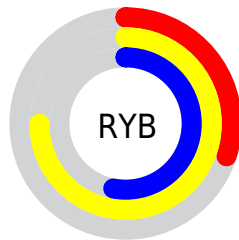
Distribution



Red (53%)

Green (75%)

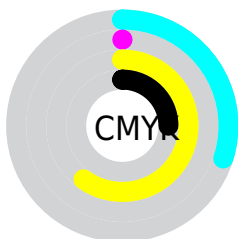
Blue (30%)



Red (30%)

Yellow (75%)

Blue (53%)

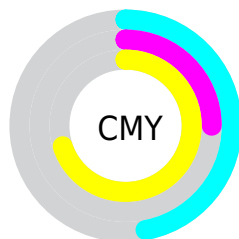


Cyan (30%)

Magenta (0%)

Yellow (60%)

Black (25%)



Cyan (47%)

Magenta (25%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8019, 42.8658, 13.7244 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 29.8019, 42.8658, 13.7244 by changing the saturation by 10% instead.

■ 29.8019, 42.8658,
13.7244

■ 29.8019, 42.8658,
13.7244

292.9064,
358.0596, 226.8780

■ 19.8356, 29.7798,
7.7927

■ 58.7375, 79.5083,
33.3093

■ 12.3832, 19.6715,
3.8767

■ 78.4376, 103.8336,
47.7995

■ 7.0792, 12.1565,
1.5580

■ 102.1129,
132.6742, 65.9796

■ 3.5585, 6.8504,
0.2606

■ 130.1289,
166.4144, 88.2682

■ 1.4555, 3.3687,
0.0000

■ 162.8509,
205.4387, 115.0838

■ 0.2953, 1.3271,
0.0000

200.6442,

■ 0.0000, 0.1621,

250.1314, 146.8450

0.0000

243.8743,
300.8769, 183.9702

■ 0.0000, 0.0000,
0.0000

■ 29.8019, 42.8658,
13.7244

■ 29.8019, 42.8658,
13.7244

■ 27.7702, 41.8866,
10.6113

■ 32.1711, 43.9988,
17.8885

■ 26.0515, 41.0466,
8.4521

■ 34.8941, 45.2882,
23.1837

■ 24.6220, 40.3373,
7.1362

■ 37.9893, 46.7431,
29.6859

■ 23.4375, 39.7406,
6.4527

■ 41.4730, 48.3705,
37.4633

■ 23.4027, 39.7230,
6.4339

■ 45.3602, 50.1767,
46.5791

■ 49.6652, 52.1678,
57.0924

■ 54.4015, 54.3495,
69.0585

■ 59.5819, 56.7272,
82.5299

■ 65.2186, 59.3063,
97.5566

Harmonies

Analogous

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



38.4971, 42.8658, 9.3984



29.8019, 42.8658, 13.7244



24.7809, 42.8658, 27.0356

Triad

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



29.8019, 42.8658, 13.7244



33.1364, 42.8658, 123.1480



64.5119, 42.8658, 40.4225

Complementary

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



29.8019, 42.8658, 13.7244



21.8913, 14.1390, 50.8680

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.



62.4066, 42.8658, 74.0660



29.8019, 42.8658, 13.7244



43.0739, 42.8658, 131.9166

Square

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



29.8019, 42.8658, 13.7244



26.4600, 42.8658, 90.6058



54.0786, 42.8658, 111.0545



59.4153, 42.8658, 19.8907

Rectangle

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



29.8019, 42.8658, 13.7244



23.6105, 42.8658, 43.1563



54.0786, 42.8658, 111.0545



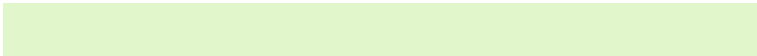
64.6341, 42.8658, 50.3770

Sweetspot

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



29.8029, 42.8677, 13.7253



75.2052, 87.0609, 69.2326



31.3522, 28.6641, 10.9021



16.0878, 18.9191, 14.2261



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8029, 42.8677, 13.7253



48.6093, 74.4680, 17.4841



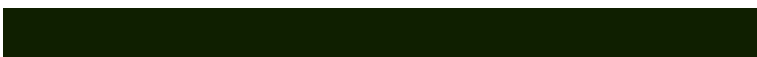
23.0323, 39.3773, 13.4085



9.8510, 10.8776, 10.1570



15.4721, 26.1520, 4.2324



0.6815, 1.0633, 0.1693

Inverse Universe

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



21.8913, 14.1390, 50.8680



33.1482, 18.3257, 90.0692



33.5455, 20.1469, 51.4134



9.4588, 9.4534, 11.9984



9.4092, 4.1367, 32.6954



0.4440, 0.2009, 1.2842

Previews

White Background



This preview shows how the XYZ color 29.8019, 42.8658, 13.7244 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 29.8019, 42.8658, 13.7244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

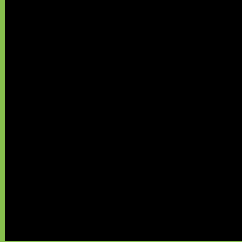
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8019, 42.8658, 13.7244

Background



This preview shows how black text looks on a background with the XYZ color 29.8019, 42.8658, 13.7244.



This preview shows how white text looks on a background with the XYZ color 29.8019, 42.8658,

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

29.8019, 42.8658, 13.7244

Protanopia

38.7478, 42.5972, 12.3107

Deuteranopia

43.2608, 42.3596, 14.2836



Tritanopia

38.3234, 42.5745, 56.6499

Trichromacy



Original Color

29.8019, 42.8658, 13.7244

Protanomaly

34.7732, 42.3128, 12.8130

Deuteranomaly

37.0649, 41.6931, 13.8786

Tritanomaly

34.0210, 42.0306, 35.5978

Monochromacy



Original Color

29.8019, 42.8658, 13.7244

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.5443, 37.6961, 26.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8019, 42.8658, 13.7244 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(134, 191, 77)` looks like.

```
.text, #text, p{  
    color:rgb(134, 191, 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(134, 191, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 191, 77) }
```

Border

The CSS property to change the border of an element to XYZ 29.8019, 42.8658, 13.7244 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(134, 191, 77) }
```


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

```
.border{ border-color:rgb(134, 191, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 191, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 191, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 191, 77);  
box-shadow:4px 4px 4px 4px rgb(134, 191,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8019, 42.8658, 13.7244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 191, 77) }
```

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

```
.background{ background-color: rgb(134,  
191, 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](#).

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