

Converting Colors

XYZ(29.1998, 42.7274, 20.7288)

Have a look what the booklet for
XYZ(29.1998, 42.7274, 20.7288)
contains.

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Color

**XYZ(29.1112, 42.6827,
20.6142)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 77C06B |
| RGB | 119, 192, 107 |
| RGB Percent | 47%, 75%, 42% |
| CMY | 0.5333, 0.2470, 0.5804 |
| CMYK | 0.38, 0.00, 0.44, 0.25 |
| HSL | 112°, 40%, 59% |
| HSV | 112°, 44%, 75% |
| XYZ | 29.1112, 42.6827, 20.6142 |
| YIQ | 160.4830, -16.2230, -41.9110 |

Conversions

Conversions Part 2

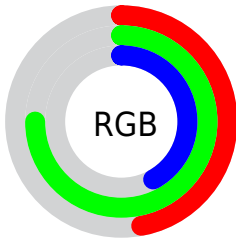
| Format | Color |
|-------------------------------------|--|
| RYB | 107, 192, 180 |
| Decimal | 7848043 |
| CIELab | 71.34, -39.42, 35.74 |
| CIELCh | 71, 53.215, 137.804 |
| Yxy | 42.6827, 0.3150, 0.4619 |
| Android (android.graphics.Color) | 4286038123 (0xFF77C06B) |
| YUV | 160.4830, -26.3671, -36.3806 |
| Hunter-Lab | 65.3320, -34.7934, 27.0246 |

Details

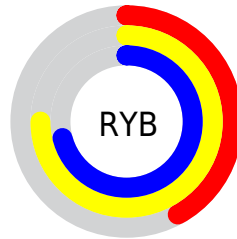
The XYZ color **29.1112, 42.6827, 20.6142** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **33.5965, 24.0258, 52.7381**, and the grayscale version is **33.7611, 35.5193, 38.6805**.

A 20% lighter version of the original color is **57.6764, 79.2881, 45.5220**, and **12.0070, 19.5962, 7.0205** is the 20% darker color. If you saturate the color by 10%, you get **26.1412, 41.2569, 15.7752**, and if you desaturate by 10%, it is **32.7003, 44.4042, 26.6547**.

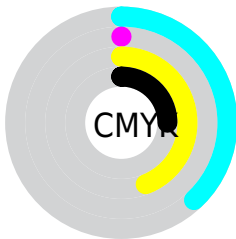
Distribution



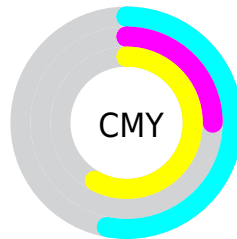
- Red (47%)
- Green (75%)
- Blue (42%)



- Red (42%)
- Yellow (75%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1112, 42.6827, 20.6142 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 29.1112, 42.6827, 20.6142 by changing the saturation by 10% instead.


 29.1112, 42.6827,
20.6142


 29.1112, 42.6827,
20.6142


289.7240,
357.3052, 267.9344

 19.3097, 29.6362,
12.6538


 57.6501, 79.2318,
45.3170


 11.9996, 19.5626,
7.0627


 77.1181, 103.5033,
62.8965

 6.8156, 12.0775,
3.4223


 100.5390,
132.2852, 84.5194

 3.3923, 6.7965,
1.3141

 128.2781,
165.9619, 110.6043

 1.3645, 3.3352,
0.0733

160.7008,
204.9179, 141.5697

 0.2307, 1.3091,
0.0000

198.1725,

 0.0000, 0.1482,

249.5375, 177.8341

0.0000

241.0584,
300.2052, 219.8162

■ 0.0000, 0.0000,
0.0000

■ 29.1112, 42.6827,
20.6142

■ 29.1112, 42.6827,
20.6142

■ 26.1412, 41.2569,
15.7752

■ 32.7003, 44.4042,
26.6547

■ 23.7519, 40.1051,
12.0548

■ 36.9378, 46.4313,
33.9667

■ 21.9054, 39.2108,
9.3642


■ 41.8549, 48.7798,
42.6179


■ 20.5577, 38.5537,
7.5999


■ 47.4799, 51.4629,
52.6706


■ 19.6578, 38.1101,
6.6365


■ 53.8395, 54.4931,
64.1832

 19.3052, 37.9353,
6.3048

 60.9588, 57.8823,
77.2107

 68.8620, 61.6417,
91.8053

 76.6561, 65.4157,
103.1940

 78.1405, 66.1810,
103.2635

Harmonies

Analogous

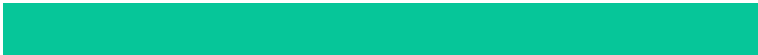
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5324, 42.6827, 13.5768



29.1112, 42.6827, 20.6142



25.9693, 42.6827, 36.8232

Triad

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



29.1112, 42.6827, 20.6142



37.0416, 42.6827, 113.1834



59.2521, 42.6827, 32.9782

Complementary

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



29.1112, 42.6827, 20.6142



33.5965, 24.0258, 52.7381

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.



59.8147, 42.6827, 57.6794



29.1112, 42.6827, 20.6142



46.0596, 42.6827, 110.9398

Square

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



29.1112, 42.6827, 20.6142



30.0757, 42.6827, 93.3675



54.6956, 42.6827, 88.0446



53.2558, 42.6827, 18.6945

Rectangle

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



29.1112, 42.6827, 20.6142



25.7996, 42.6827, 53.4907



54.6956, 42.6827, 88.0446



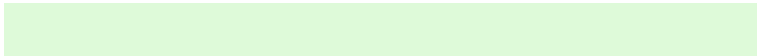
60.1118, 42.6827, 40.0998

Sweetspot

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



29.1123, 42.6845, 20.6151



76.8565, 88.8697, 79.0304



40.5641, 44.6105, 20.3833



16.0325, 18.8480, 16.1463



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.



29.1123, 42.6845, 20.6151



47.5696, 74.8508, 28.9101



29.4118, 42.6260, 30.2516



10.0738, 11.3255, 10.7170



13.0298, 25.5459, 4.2441



0.6066, 1.1263, 0.1854

Inverse Universe

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



33.5965, 24.0258, 52.7381



56.6750, 36.7473, 94.4661



33.5413, 24.3405, 37.2310



10.3530, 10.1731, 12.7028



16.8791, 7.9619, 34.2038



0.7685, 0.3642, 1.4797

Previews

White Background



This preview shows how the XYZ color 29.1112, 42.6827, 20.6142 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 29.1112, 42.6827, 20.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

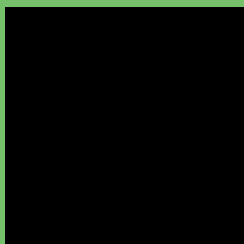
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1112, 42.6827, 20.6142

Background



This preview shows how black text looks on a background with the XYZ color 29.1112, 42.6827, 20.6142.



This preview shows how white text looks on a background with the XYZ color 29.1112, 42.6827,

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

29.1112, 42.6827, 20.6142

Protanopia

38.9222, 42.2686, 18.1638

Deuteranopia

42.9113, 42.0200, 21.4718



Tritanopia

36.6834, 42.5923, 58.5123

Trichromacy



Original Color

29.1112, 42.6827, 20.6142



Protanomaly

34.4891, 42.0264, 19.1261



Deuteranomaly

36.1037, 41.0377, 21.0571



Tritanomaly

33.3130, 42.4653, 41.5628

Monochromacy



Original Color

29.1112, 42.6827, 20.6142



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.2373, 37.4479, 30.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1112, 42.6827, 20.6142 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(119, 192, 107)` looks like.

```
.text, #text, p{  
    color:rgb(119, 192, 107)  
}
```

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(119, 192, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 192, 107) }
```

Border

The CSS property to change the border of an element to XYZ 29.1112, 42.6827, 20.6142 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(119, 192, 107) }
```


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

```
.border{ border-color:rgb(119, 192, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 192, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 192, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 192, 107);  
box-shadow:4px 4px 4px 4px rgb(119, 192,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1112, 42.6827, 20.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 192, 107) }
```

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

```
.background{ background-color: rgb(119,  
192, 107) }
```

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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