

Converting Colors

XYZ(29.7001, 46.3364, 22.4178)

Have a look what the booklet for
XYZ(29.7001, 46.3364, 22.4178)
contains.

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Color

**XYZ(29.6987, 46.3318,
22.4166)**

Conversions

Conversions Part 1

Format	Color
Hex	68CA6F
RGB	104, 202, 111
RGB Percent	41%, 79%, 44%
CMY	0.5922, 0.2078, 0.5647
CMYK	0.49, 0.00, 0.45, 0.21
HSL	124°, 48%, 60%
HSV	124°, 49%, 79%
XYZ	29.6987, 46.3318, 22.4166
YIQ	162.3240, -29.1970, -49.0770

Conversions

Conversions Part 2

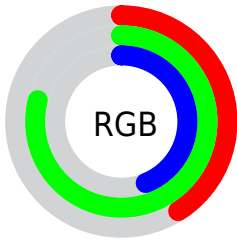
Format	Color
RYB	104, 195, 202
Decimal	6867567
CIELab	73.76, -47.61, 36.66
CIELCh	74, 60.090, 142.400
Yxy	46.3318, 0.3017, 0.4706
Android (android.graphics.Color)	4285057647 (0xFF68CA6F)
YUV	162.3240, -25.3027, -51.1501
Hunter-Lab	68.0675, -41.2362, 28.1213

Details

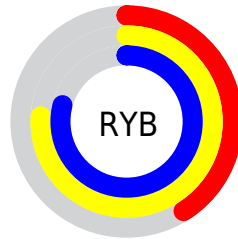
The XYZ color **29.6987, 46.3318, 22.4166** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.1592, 26.3982, 54.6625**, and the grayscale version is **34.6205, 36.4234, 39.6651**.

A 20% lighter version of the original color is **57.1588, 81.7774, 47.8940**, and **12.3147, 21.7398, 7.9620** is the 20% darker color. If you saturate the color by 10%, you get **26.7023, 44.8955, 17.4399**, and if you desaturate by 10%, it is **33.4759, 48.1482, 28.5638**.

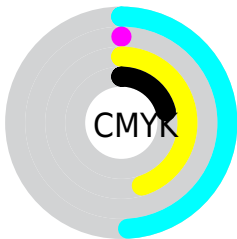
Distribution



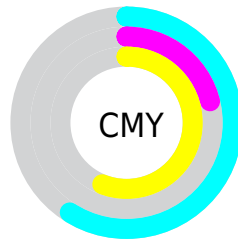
- Red (41%)
- Green (79%)
- Blue (44%)



- Red (41%)
- Yellow (76%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (45%)
- Black (21%)



- Cyan (59%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6987, 46.3318, 22.4166 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 29.6987, 46.3318, 22.4166 by changing the saturation by 10% instead.

■ 29.6987, 46.3318,
22.4166

■ 29.6987, 46.3318,
22.4166

292.4326,
372.1410, 277.7383

■ 19.7569, 32.5077,
13.9621

■ 58.5753, 84.7153,
48.3446

■ 12.3257, 21.7496,
7.9559

■ 78.2408, 110.0436,
66.6551

■ 7.0397, 13.6730,
3.9793

■ 101.8783,
139.9754, 89.0881

■ 3.5335, 7.8936,
1.6140

■ 129.8531,
174.8951, 116.0621

■ 1.4418, 4.0269,
0.3008

162.5305,
215.1871, 147.9955

■ 0.2857, 1.6886,
0.0000

200.2761,

■ 0.0000, 0.4163,

261.2359, 185.3070

0.0000

243.4550,
313.4257, 228.4151

■ 0.0000, 0.0000,
0.0000

■ 29.6987, 46.3318,
22.4166

■ 29.6987, 46.3318,
22.4166

■ 26.7023, 44.8955,
17.4399

■ 33.4759, 48.1482,
28.5638

■ 24.4287, 43.8070,
13.5566

■ 38.0797, 50.3629,
35.9460

■ 22.8177, 43.0384,
10.6853


■ 43.5563, 52.9998,
44.6266


■ 21.7974, 42.5546,
8.7320


■ 49.9477, 56.0791,
54.6637


■ 21.2619, 42.3034,
7.5840

■ 57.2930, 59.6200,
66.1121

 21.2037, 42.2758,
7.4735

 65.6292, 63.6403,
79.0233

 74.9912, 68.1571,
93.4465

 80.4114, 70.7229,
104.0205

Harmonies

Analogous

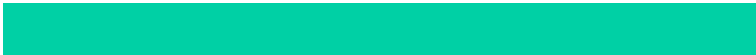
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.6716, 46.3318, 13.2875



29.6987, 46.3318, 22.4166



26.6691, 46.3318, 43.0680

Triad

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



29.6987, 46.3318, 22.4166



41.3787, 46.3318, 133.9887



65.8617, 46.3318, 31.2042

Complementary

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



29.6987, 46.3318, 22.4166



39.1592, 26.3982, 54.6625

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.



67.6670, 46.3318, 58.6251



29.6987, 46.3318, 22.4166



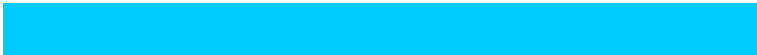
52.3279, 46.3318, 126.6144

Square

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



29.6987, 46.3318, 22.4166



32.6666, 46.3318, 112.7968



62.3761, 46.3318, 95.4666



57.7801, 46.3318, 16.7436

Rectangle

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



29.6987, 46.3318, 22.4166



26.8832, 46.3318, 64.1476



62.3761, 46.3318, 95.4666



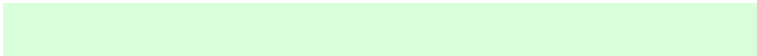
67.2704, 46.3318, 38.8516

Sweetspot

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



29.6999, 46.3337, 22.4176



77.1508, 91.3734, 80.9220



46.2476, 54.9072, 21.2576



16.0385, 19.3289, 16.5729



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.



29.6999, 46.3337, 22.4176



45.0857, 75.9521, 29.3197



33.1351, 47.7078, 40.5074



11.1000, 12.5498, 12.0841



13.6562, 27.2078, 4.8746



0.7161, 1.4083, 0.3125

Inverse Universe

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



39.1592, 26.3982, 54.6625



62.9032, 38.3543, 90.0213



34.5334, 24.5479, 30.3039



11.6516, 11.3894, 13.9660



21.4986, 10.4100, 31.4081



1.1197, 0.5413, 1.6761

Previews

White Background



This preview shows how the XYZ color 29.6987, 46.3318, 22.4166 looks on a white background.

Color Contrast Check

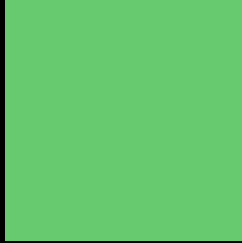
Large Text (above 18pt) WCAG AA × Fail

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 29.6987, 46.3318, 22.4166 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

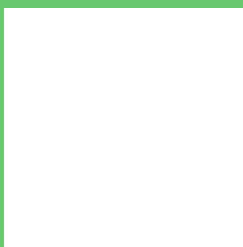
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6987, 46.3318, 22.4166

Background



This preview shows how black text looks on a background with the XYZ color 29.6987, 46.3318, 22.4166.

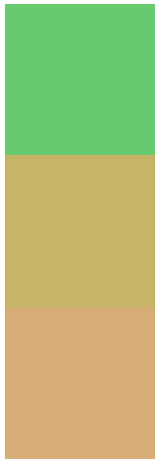


This preview shows how white text looks on a background with the XYZ color 29.6987, 46.3318,

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

29.6987, 46.3318, 22.4166

Protanopia

42.0581, 45.6276, 19.4223

Deuteranopia

46.3414, 45.4120, 23.4625



Tritanopia

38.2288, 46.0778, 65.2716

Trichromacy



Original Color

29.6987, 46.3318, 22.4166



Protanomaly

35.8946, 44.8996, 20.4103



Deuteranomaly

37.7072, 44.2187, 22.7673



Tritanomaly

34.2019, 45.7524, 45.5565

Monochromacy



Original Color

29.6987, 46.3318, 22.4166



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.6646, 39.0902, 31.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6987, 46.3318, 22.4166 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(104, 202, 111)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 111)  
}
```

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(104, 202, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.6987, 46.3318, 22.4166 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(104, 202, 111) }
```


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

```
.border{ border-color:rgb(104, 202, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 202, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 202, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 202, 111);  
box-shadow:4px 4px 4px 4px rgb(104, 202,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6987, 46.3318, 22.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 202, 111) }
```

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

```
.background{ background-color: rgb(104,  
202, 111) }
```

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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