

Converting Colors

XYZ(30.5133, 48.4107, 20.6399)

Have a look what the booklet for
XYZ(30.5133, 48.4107, 20.6399)
contains.

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Color

**XYZ(30.5867, 48.6082,
20.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	69CF67
RGB	105, 207, 103
RGB Percent	41%, 81%, 40%
CMY	0.5882, 0.1882, 0.5961
CMYK	0.49, 0.00, 0.50, 0.19
HSL	119°, 52%, 61%
HSV	119°, 50%, 81%
XYZ	30.5867, 48.6082, 20.6022
YIQ	164.6460, -27.4080, -53.9680

Conversions

Conversions Part 2

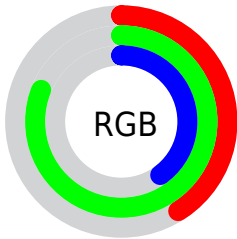
Format	Color
RYB	103, 207, 205
Decimal	6934375
CIELab	75.21, -50.50, 42.43
CIELCh	75, 65.958, 139.958
Yxy	48.6082, 0.3065, 0.4871
Android (android.graphics.Color)	4285124455 (0xFF69CF67)
YUV	164.6460, -30.3915, -52.3095
Hunter-Lab	69.7196, -43.6995, 31.2835

Details

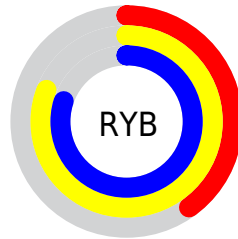
The XYZ color **30.5867, 48.6082, 20.6022** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.2921, 27.1863, 62.1052**, and the grayscale version is **35.7459, 37.6075, 40.9546**.

A 20% lighter version of the original color is **56.6610, 81.6017, 44.2168**, and **12.8868, 23.2399, 7.0554** is the 20% darker color. If you saturate the color by 10%, you get **27.5673, 47.1586, 15.6927**, and if you desaturate by 10%, it is **34.4350, 50.4582, 26.8950**.

Distribution



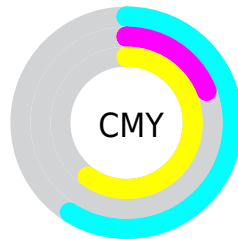
- Red (41%)
- Green (81%)
- Blue (40%)



- Red (40%)
- Yellow (81%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (19%)





- Cyan (59%)
- Magenta (19%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5867, 48.6082, 20.6022 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 30.5867, 48.6082, 20.6022 by changing the saturation by 10% instead.


 30.5867, 48.6082,
20.6022


 30.5867, 48.6082,
20.6022


296.4907,
381.1978, 267.8680


 20.4346, 34.3088,
12.6451

 59.9691, 88.1093,
45.2967


 12.8215, 23.1309,
7.0568


 79.9301, 114.0797,
62.8712

 7.3819, 14.6902,
3.4187

 103.8914,
144.7093, 84.4886

 3.7505, 8.6023,
1.3122

 132.2184,
180.3824, 110.5675

 1.5620, 4.4827,
0.0717

165.2765,
221.4834, 141.5263

 0.3674, 1.9471,
0.0000

203.4310,

 0.0000, 0.5764,

268.3967, 177.7836

0.0000

247.0473,
321.5067, 219.7580

■ 0.0000, 0.0000,
0.0000

■ 30.5867, 48.6082,
20.6022

■ 30.5867, 48.6082,
20.6022

■ 27.5673, 47.1586,
15.6927

■ 34.4350, 50.4582,
26.8950

■ 25.3126, 46.0743,
12.0595

■ 39.1629, 52.7286,
34.6611

■ 23.7550, 45.3245,
9.5853

■ 44.8216, 55.4452,
43.9866

■ 22.8136, 44.8705,
8.1297

■ 51.4571, 58.6301,
54.9501

■ 22.3636, 44.6533,
7.4403

■ 59.1125, 62.3040,
67.6249

■ 67.8283, 66.4862,
82.0799

■ 77.6426, 71.1951,
98.3801

■ 81.6038, 73.1076,
104.4179

Harmonies

Analogous

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



38.7091, 48.6082, 11.7639



30.5867, 48.6082, 20.6022



26.8774, 48.6082, 42.1421

Triad

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



30.5867, 48.6082, 20.6022



42.2633, 48.6082, 149.3169



71.6862, 48.6082, 33.2932

Complementary

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



30.5867, 48.6082, 20.6022



41.2921, 27.1863, 62.1052

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.



73.0896, 48.6082, 65.4087



30.5867, 48.6082, 20.6022



54.6012, 48.6082, 143.4468

Square

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



30.5867, 48.6082, 20.6022



32.7969, 48.6082, 122.0362



66.3879, 48.6082, 108.3733



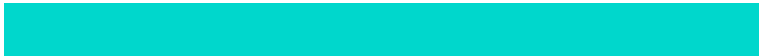
62.8340, 48.6082, 16.5601

Rectangle

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



30.5867, 48.6082, 20.6022



26.8732, 48.6082, 65.2982



66.3879, 48.6082, 108.3733



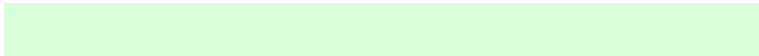
73.0976, 48.6082, 42.2246

Sweetspot

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



30.5879, 48.6102, 20.6033



77.0115, 91.3429, 79.0473



49.6647, 57.2114, 21.2580



16.0055, 19.3216, 16.1295



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.



30.5879, 48.6102, 20.6033



43.9768, 75.4789, 24.8214



33.5373, 49.7632, 37.3449



11.6770, 13.2169, 12.5477



14.0985, 28.1370, 4.6879



0.7958, 1.5771, 0.2625

Inverse Universe

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



41.2921, 27.1863, 62.1052



62.9684, 37.4296, 98.5136



36.7959, 25.4519, 35.5337



12.2874, 11.9970, 14.9117



22.6269, 10.8449, 38.0932



1.2725, 0.6101, 2.1303

Previews

White Background



This preview shows how the XYZ color 30.5867, 48.6082, 20.6022 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 30.5867, 48.6082, 20.6022 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 30.5867, 48.6082, 20.6022

Background



This preview shows how black text looks on a background with the XYZ color 30.5867, 48.6082, 20.6022.

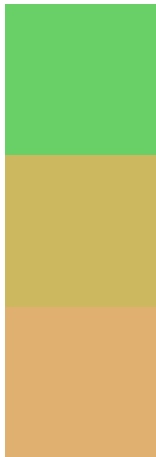


This preview shows how white text looks on a background with the XYZ color 30.5867, 48.6082,

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

30.5867, 48.6082, 20.6022

Protanopia

43.8346, 47.8037, 17.7432

Deuteranopia

48.8260, 47.8863, 21.7085



Tritanopia

40.1751, 48.3226, 68.8378

Trichromacy



Original Color

30.5867, 48.6082, 20.6022



Protanomaly

36.9906, 46.7966, 18.6383



Deuteranomaly

39.2995, 46.3267, 21.0580



Tritanomaly

35.6155, 47.8185, 46.3825

Monochromacy



Original Color

30.5867, 48.6082, 20.6022



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.5314, 40.4352, 31.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5867, 48.6082, 20.6022 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(105, 207, 103)` looks like.

```
.text, #text, p{  
    color:rgb(105, 207, 103)  
}
```

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(105, 207, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 207, 103) }
```

Border

The CSS property to change the border of an element to XYZ 30.5867, 48.6082, 20.6022 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(105, 207, 103) }
```


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

```
.border{ border-color:rgb(105, 207, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 207, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 207, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 207, 103);  
box-shadow:4px 4px 4px 4px rgb(105, 207,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5867, 48.6082, 20.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 207, 103) }
```

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

```
.background{ background-color: rgb(105,  
207, 103) }
```

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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