

Converting Colors

XYZ(34.4565, 48.1648, 15.0472)

Have a look what the booklet for
XYZ(34.4565, 48.1648, 15.0472)
contains.

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Color

**XYZ(34.4967, 48.2773,
15.0897)**

Conversions

Conversions Part 1

Format	Color
Hex	95C850
RGB	149, 200, 80
RGB Percent	58%, 78%, 31%
CMY	0.4157, 0.2157, 0.6863
CMYK	0.26, 0.00, 0.60, 0.22
HSL	86°, 52%, 55%
HSV	86°, 60%, 78%
XYZ	34.4967, 48.2773, 15.0897
YIQ	171.0710, 8.1240, -48.1320

Conversions

Conversions Part 2

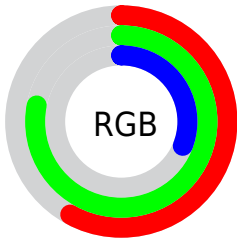
Format	Color
RYB	80, 200, 131
Decimal	9816144
CIELab	75.00, -35.58, 53.40
CIELCh	75, 64.167, 123.679
Yxy	48.2773, 0.3525, 0.4933
Android (android.graphics.Color)	4288006224 (0xFF95C850)
YUV	171.0710, -44.8980, -19.3563
Hunter-Lab	69.4819, -32.9707, 35.7610

Details

The XYZ color **34.4967, 48.2773, 15.0897** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **22.6561, 14.7341, 56.2962**, and the grayscale version is **38.9612, 40.9903, 44.6384**.

A 20% lighter version of the original color is **65.4472, 86.3353, 35.4052**, and **15.0598, 23.0034, 4.5105** is the 20% darker color. If you saturate the color by 10%, you get **32.3705, 47.2558, 11.6906**, and if you desaturate by 10%, it is **36.9583, 49.4494, 19.6544**.

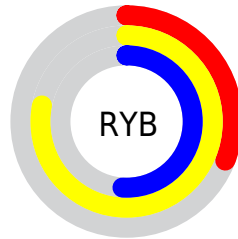
Distribution



Red (58%)

Green (78%)

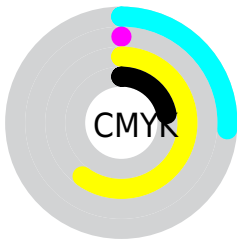
Blue (31%)



Red (31%)

Yellow (78%)

Blue (51%)

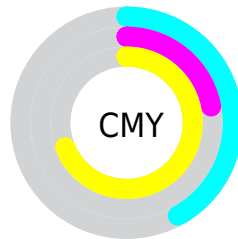


Cyan (26%)

Magenta (0%)

Yellow (60%)

Black (22%)



Cyan (42%)


Magenta (22%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4967, 48.2773, 15.0897 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 34.4967, 48.2773, 15.0897 by changing the saturation by 10% instead.


 34.4967, 48.2773,
15.0897


 34.4967, 48.2773,
15.0897


313.8883,
379.8902, 235.5680


 23.4401, 34.0465,
8.7350


 66.0445, 87.6171,
35.7550

 15.0413, 22.9294,
4.4743


 87.2665, 113.4950,
50.9027


 8.9349, 14.5414,
1.8890


 112.6076,
144.0240, 69.8185

 4.7555, 8.4981,
0.4857

 142.4332,
179.5886, 92.9210

 2.1378, 4.4153,
0.0000

 177.1088,
220.5731, 120.6286

 0.7096, 1.9085,
0.0000

216.9996,

 0.0000, 0.5535,

267.3619, 153.3599

0.0000

262.4709,
320.3395, 191.5336

■ 0.0000, 0.0000,
0.0000

■ 34.4967, 48.2773,
15.0897

■ 34.4967, 48.2773,
15.0897

■ 32.3705, 47.2558,
11.6906

■ 36.9583, 49.4494,
19.6544

■ 30.5538, 46.3692,
9.3475

■ 39.7720, 50.7740,
25.4749

■ 29.0213, 45.6089,
7.9357

■ 42.9571, 52.2607,
32.6361

■ 27.7251, 44.9552,
7.2160

■ 46.5302, 53.9166,
41.2147

■ 27.7250, 44.9552,
7.2160

■ 50.5070, 55.7480,
51.2815

■ 54.9022, 57.7611,
62.9028

■ 59.7294, 59.9616,
76.1405

■ 65.0019, 62.3551,
91.0534

■ 69.9152, 64.6199,
103.3957

Harmonies

Analogous

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



44.4562, 48.2773, 10.8987



34.4967, 48.2773, 15.0897



28.5163, 48.2773, 28.8414

Triad

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



34.4967, 48.2773, 15.0897



36.6078, 48.2773, 134.1540



72.2277, 48.2773, 48.5348

Complementary

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



34.4967, 48.2773, 15.0897



22.6561, 14.7341, 56.2962

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.



69.1754, 48.2773, 86.6615



34.4967, 48.2773, 15.0897



47.3464, 48.2773, 146.7688

Square

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



34.4967, 48.2773, 15.0897



29.5817, 48.2773, 97.0551



59.5413, 48.2773, 126.5726



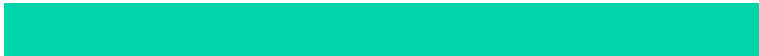
67.2928, 48.2773, 24.2990

Rectangle

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



34.4967, 48.2773, 15.0897



26.9455, 48.2773, 45.7802



59.5413, 48.2773, 126.5726



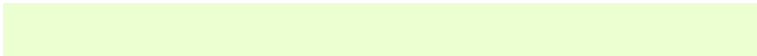
72.1054, 48.2773, 59.9908

Sweetspot

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



34.4978, 48.2794, 15.0907



81.7043, 93.8743, 74.1998



33.2519, 28.8255, 11.4014



17.0743, 19.9018, 14.8590



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.



34.4978, 48.2794, 15.0907



55.0335, 81.3230, 18.8251



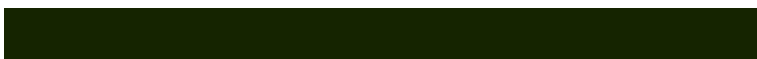
26.3202, 44.0637, 14.7080



11.0716, 12.1838, 11.3309



17.7319, 28.6364, 4.5928



0.9212, 1.3980, 0.2213

Inverse Universe

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



22.6561, 14.7341, 56.2962



32.8029, 18.2082, 96.3934



34.5311, 20.8559, 56.8519



10.4769, 10.5041, 13.3928



9.1090, 3.9301, 35.0229



0.5137, 0.2286, 1.6622

Previews

White Background



This preview shows how the XYZ color 34.4967, 48.2773, 15.0897 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 34.4967, 48.2773, 15.0897 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 34.4967, 48.2773, 15.0897

Background



This preview shows how black text looks on a background with the XYZ color 34.4967, 48.2773, 15.0897.



This preview shows how white text looks on a background with the XYZ color 34.4967, 48.2773,

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

34.4967, 48.2773, 15.0897

Protanopia

43.5873, 47.7681, 13.5795

Deuteranopia

48.7288, 47.6790, 15.6515



Tritanopia

44.1609, 48.2300, 62.8589

Trichromacy



Original Color

34.4967, 48.2773, 15.0897

Protanomaly

39.7606, 47.6770, 14.1282

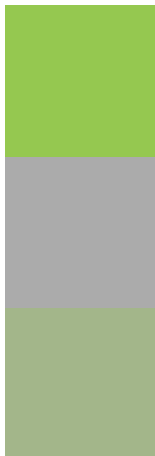
Deuteranomaly

42.2939, 47.0632, 15.2425

Tritanomaly

39.3193, 47.5388, 39.4513

Monochromacy



Original Color

34.4967, 48.2773, 15.0897

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.4197, 43.0774, 30.4400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4967, 48.2773, 15.0897 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(149, 200, 80)` looks like.

```
.text, #text, p{  
    color:rgb(149, 200, 80)  
}
```

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(149, 200, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 200, 80) }
```

Border

The CSS property to change the border of an element to XYZ 34.4967, 48.2773, 15.0897 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(149, 200, 80) }
```


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

```
.border{ border-color:rgb(149, 200, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 200, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 200, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 200, 80);  
box-shadow:4px 4px 4px 4px rgb(149, 200,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4967, 48.2773, 15.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 200, 80) }
```

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

```
.background{ background-color: rgb(149,  
200, 80) }
```

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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