

Converting Colors

XYZ(35.0242, 48.2356, 14.9821)

Have a look what the booklet for
XYZ(35.0242, 48.2356, 14.9821)
contains.

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Color

**XYZ(35.0083, 48.1983,
15.0475)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 99C750 |
| RGB | 153, 199, 80 |
| RGB Percent | 60%, 78%, 31% |
| CMY | 0.4000, 0.2196, 0.6863 |
| CMYK | 0.23, 0.00, 0.60, 0.22 |
| HSL | 83°, 52%, 55% |
| HSV | 83°, 60%, 78% |
| XYZ | 35.0083, 48.1983, 15.0475 |
| YIQ | 171.6800, 10.7830, -46.7610 |

Conversions

Conversions Part 2

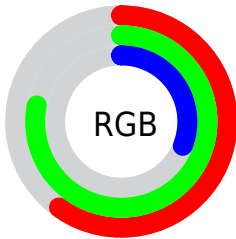
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 80, 199, 126 |
| Decimal | 10078032 |
| CIE _{Lab} | 74.95, -33.61, 53.41 |
| CIE _{LCh} | 75, 63.105, 122.186 |
| Yxy | 48.1983, 0.3563, 0.4905 |
| Android (android.graphics.Color) | 4288268112 (0xFF99C750) |
| YUV | 171.6800, -45.1982, -16.3824 |
| Hunter-Lab | 69.4250, -31.4832, 35.7467 |

Details

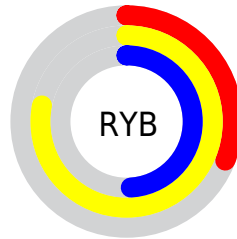
The XYZ color **35.0083, 48.1983, 15.0475** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **21.7836, 14.2978, 55.6471**, and the grayscale version is **39.2694, 41.3145, 44.9914**.

A 20% lighter version of the original color is **66.5720, 86.9151, 35.4579**, and **15.3273, 22.9134, 4.4791** is the 20% darker color. If you saturate the color by 10%, you get **32.9740, 47.2239, 11.6665**, and if you desaturate by 10%, it is **37.3563, 49.3124, 19.5816**.

Distribution



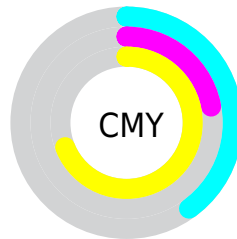
- Red (60%)
- Green (78%)
- Blue (31%)



- Red (31%)
- Yellow (78%)
- Blue (49%)



- Cyan (23%)
- Magenta (0%)
- Yellow (60%)
- Black (22%)



- Cyan (40%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0083, 48.1983, 15.0475 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 35.0083, 48.1983, 15.0475 by changing the saturation by 10% instead.

■ 35.0083, 48.1983,
15.0475

■ 35.0083, 48.1983,
15.0475

316.1123,
379.5776, 235.3042

■ 23.8358, 33.9840,
8.7057

■ 66.8326, 87.4996,
35.6800

■ 15.3359, 22.8813,
4.4556

■ 88.2150, 113.3553,
50.8078

■ 9.1433, 14.5059,
1.8784

■ 113.7316,
143.8603, 69.7013

■ 4.8927, 8.4733,
0.4790

■ 143.7475,
179.3989, 92.7791

■ 2.2185, 4.3993,
0.0000

■ 178.6282,
220.3555, 120.4598

■ 0.7525, 1.8993,
0.0000

218.7390,

■ 0.0000, 0.5480,

267.1146, 153.1618

0.0000

264.4453,
320.0605, 191.3038

■ 0.0000, 0.0000,
0.0000

■ 35.0083, 48.1983,
15.0475

■ 35.0083, 48.1983,
15.0475

■ 32.9740, 47.2239,
11.6665

■ 37.3563, 49.3124,
19.5816

■ 31.2283, 46.3738,
9.3307

■ 40.0337, 50.5675,
25.3577

■ 29.7471, 45.6400,
7.9176

■ 43.0589, 51.9731,
32.4594

■ 28.4849, 45.0039,
7.1969

■ 46.4480, 53.5355,
40.9623

■ 28.4607, 44.9917,
7.1842

■ 50.2157, 55.2610,
50.9363

■ 54.3761, 57.1553,
62.4466

■ 58.9421, 59.2237,
75.5544

■ 63.9263, 61.4716,
90.3178

■ 68.6720, 63.6363,
103.2714

Harmonies

Analogous

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



44.9723, 48.1983, 11.2148



35.0083, 48.1983, 15.0475



28.8976, 48.1983, 28.1204

Triad

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



35.0083, 48.1983, 15.0475



36.2444, 48.1983, 130.8314



71.6646, 48.1983, 50.0997

Complementary

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



35.0083, 48.1983, 15.0475



21.7836, 14.2978, 55.6471

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.



68.2962, 48.1983, 87.9415



35.0083, 48.1983, 15.0475



46.6602, 48.1983, 144.6656

Square

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



35.0083, 48.1983, 15.0475



29.5228, 48.1983, 93.9808



58.6347, 48.1983, 126.4378



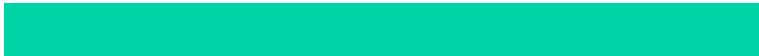
67.2008, 48.1983, 25.4481

Rectangle

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



35.0083, 48.1983, 15.0475



27.2030, 48.1983, 44.3286



58.6347, 48.1983, 126.4378



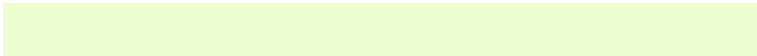
71.4098, 48.1983, 61.5735

Sweetspot

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



35.0094, 48.2004, 15.0485



82.2915, 94.1770, 74.2273



32.4149, 27.5468, 11.1987



17.2178, 19.9758, 14.8657



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.



35.0094, 48.2004, 15.0485



56.6828, 82.1732, 18.9023



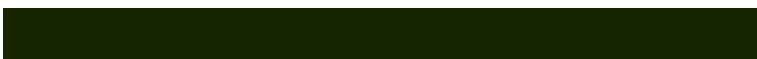
26.4770, 43.8018, 14.6492



11.1115, 12.2044, 11.3328



18.4003, 28.9810, 4.6241



0.9505, 1.4131, 0.2227

Inverse Universe

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



21.7836, 14.2978, 55.6471



31.5490, 17.5617, 96.3347



33.2150, 20.1909, 56.1821



10.4379, 10.4840, 13.3910



8.6845, 3.7113, 35.0030



0.4919, 0.2173, 1.6612

Previews

White Background



This preview shows how the XYZ color 35.0083, 48.1983, 15.0475 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 35.0083, 48.1983, 15.0475 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 35.0083, 48.1983, 15.0475

Background



This preview shows how black text looks on a background with the XYZ color 35.0083, 48.1983, 15.0475.



This preview shows how white text looks on a background with the XYZ color 35.0083, 48.1983,

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

35.0083, 48.1983, 15.0475

Protanopia

43.6218, 47.7819, 13.7612

Deuteranopia

48.7288, 47.6790, 15.6515



Tritanopia

44.6751, 48.1927, 62.2058

Trichromacy



Original Color

35.0083, 48.1983, 15.0475

Protanomaly

39.7869, 47.3701, 14.0675

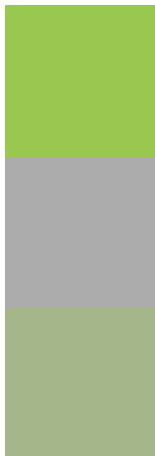
Deuteranomaly

42.5601, 47.2004, 15.2549

Tritanomaly

39.8209, 47.4825, 38.9645

Monochromacy



Original Color

35.0083, 48.1983, 15.0475

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

36.9052, 43.3193, 30.8424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0083, 48.1983, 15.0475 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(153, 199, 80)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 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(153, 199, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 80) }
```

Border

The CSS property to change the border of an element to XYZ 35.0083, 48.1983, 15.0475 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(153, 199, 80) }
```


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

```
.border{ border-color:rgb(153, 199, 80) }
```

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

Here you see how a box with a 4 pixel rgb(153, 199, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 80);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0083, 48.1983, 15.0475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 80) }
```

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

```
.background{ background-color: rgb(153,  
199, 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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