

Converting Colors

XYZ(48.0099, 61.3865, 35.7040)

Have a look what the booklet for
XYZ(48.0099, 61.3865, 35.7040)
contains.

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Color

**XYZ(48.0099, 61.3865,
35.7040)**

Conversions

Conversions Part 1

Format	Color
Hex	B0DA90
RGB	176, 218, 144
RGB Percent	69%, 85%, 56%
CMY	0.3098, 0.1451, 0.4353
CMYK	0.19, 0.00, 0.34, 0.15
HSL	94°, 50%, 71%
HSV	94°, 34%, 85%
XYZ	48.0099, 61.3865, 35.7040
YIQ	197.0060, -1.2780, -31.9180

Conversions

Conversions Part 2

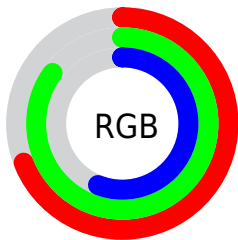
Format	Color
RYB	144, 218, 186
Decimal	11590288
CIELab	82.59, -26.74, 32.06
CIELCh	83, 41.748, 129.831
Yxy	61.3865, 0.3309, 0.4231
Android (android.graphics.Color)	4289780368 (0xFFB0DA90)
YUV	197.0060, -26.1320, -18.4223
Hunter-Lab	78.3495, -27.7330, 27.8261

Details

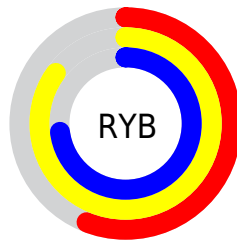
The XYZ color **48.0099, 61.3865, 35.7040** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8805, 35.4494, 70.9154**, and the grayscale version is **53.2293, 56.0013, 60.9855**.

A 20% lighter version of the original color is **79.2318, 92.7530, 67.1532**, and **23.0990, 31.1223, 15.1457** is the 20% darker color. If you saturate the color by 10%, you get **43.8308, 59.4083, 27.6348**, and if you desaturate by 10%, it is **52.7689, 63.6303, 45.4823**.

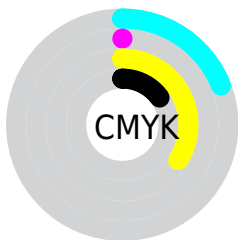
Distribution



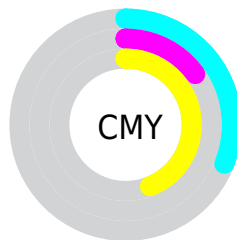
- Red (69%)
- Green (85%)
- Blue (56%)



- Red (56%)
- Yellow (85%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)





- Cyan (31%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0099, 61.3865, 35.7040 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 48.0099, 61.3865, 35.7040 by changing the saturation by 10% instead.


 48.0099, 61.3865,
35.7040


 48.0099, 61.3865,
35.7040


369.4133,
429.6897, 342.6631

 34.0460, 44.5372,
23.9178


 86.4287, 106.8384,
69.7388

 23.0920, 31.0930,
15.0610


 111.6144,
136.2097, 92.8246

 14.7825, 20.6697,
8.7151


141.2714,
170.5238, 120.5139

 8.7522, 12.8828,
4.4616

175.7650,
210.1650, 153.2253

 4.6357, 7.3479,
1.8818

215.4607,
255.5179, 191.3774

 2.0677, 3.6806,
0.4811

260.7237,

 0.6716, 1.4965,

306.9667, 235.3887

0.0000

311.9195,
364.8958, 285.6778

0.0000, 0.2863,
0.0000

0.0000, 0.0000,
0.0000

48.0099, 61.3865,
35.7040

48.0099, 61.3865,
35.7040

43.8308, 59.4083,
27.6348

52.7689, 63.6303,
45.4823

40.2017, 57.6767,
21.1726

58.1269, 66.1418,
57.0561

37.0965, 56.1825,
16.2103

64.1076, 68.9333,
70.5107

34.4849, 54.9128,
12.6265

70.7319, 72.0140,
85.9248

■ 32.3323, 53.8528,
10.2806

■ 78.0197, 75.3923,
103.3726

■ 30.5984, 52.9854,
9.0021

■ 82.6350, 77.7347,
105.2567

■ 29.7158, 52.5390,
8.5749

■ 84.3627, 78.6253,
105.3376

Harmonies

Analogous

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



55.4589, 61.3865, 29.1095



48.0099, 61.3865, 35.7040



43.6469, 61.3865, 51.2561

Triad

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



48.0099, 61.3865, 35.7040



52.6154, 61.3865, 124.5459



76.9831, 61.3865, 58.7783

Complementary

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



48.0099, 61.3865, 35.7040



42.8805, 35.4494, 70.9154

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.



76.0223, 61.3865, 85.2988



48.0099, 61.3865, 35.7040



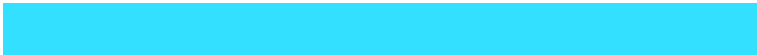
61.3317, 61.3865, 128.0563

Square

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



48.0099, 61.3865, 35.7040



46.1115, 61.3865, 103.6077



70.0684, 61.3865, 112.2418



72.5732, 61.3865, 39.9966

Rectangle

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



48.0099, 61.3865, 35.7040



42.7838, 61.3865, 66.6942



70.0684, 61.3865, 112.2418



77.2871, 61.3865, 66.9849

Sweetspot

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



48.0115, 61.3892, 35.7053



86.0868, 95.8226, 88.4536



51.4948, 52.0112, 33.7116



18.1724, 20.3914, 18.3658



0.0000, 0.0000, 0.0000



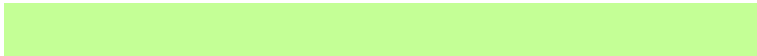
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0115, 61.3892, 35.7053



63.9770, 85.4263, 42.1615



41.9944, 58.2427, 37.4356



13.4179, 14.8801, 13.8905



17.9202, 31.5357, 5.1425



1.2585, 2.0933, 0.3377

Inverse Universe

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



42.8805, 35.4494, 70.9154



55.5479, 42.8480, 99.9505



50.9078, 39.6611, 67.9705



13.0425, 12.9800, 16.4701



12.6644, 5.6529, 40.1620



0.9185, 0.4168, 2.6065

Previews

White Background



This preview shows how the XYZ color 48.0099, 61.3865, 35.7040 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 48.0099, 61.3865, 35.7040 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 48.0099, 61.3865, 35.7040

Background



This preview shows how black text looks on a background with the XYZ color 48.0099, 61.3865, 35.7040.



This preview shows how white text looks on a background with the XYZ color 48.0099, 61.3865,

35.7040.

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

48.0099, 61.3865, 35.7040

Protanopia

56.6157, 61.0563, 33.2272

Deuteranopia

62.1269, 60.7045, 36.8765



Tritanopia

56.8855, 61.2394, 80.0564

Trichromacy



Original Color

48.0099, 61.3865, 35.7040

Protanomaly

53.0311, 60.9954, 34.1776

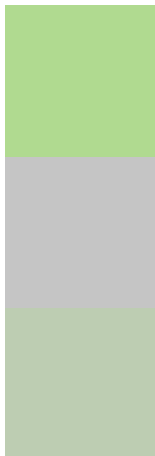
Deuteranomaly

56.0727, 60.3524, 36.2976

Tritanomaly

53.2745, 61.2628, 61.2416

Monochromacy



Original Color

48.0099, 61.3865, 35.7040

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.8535, 57.6958, 50.5756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0099, 61.3865, 35.7040 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(176, 218, 144)` looks like.

```
.text, #text, p{  
    color:rgb(176, 218, 144)  
}
```

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(176, 218, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 218, 144) }
```

Border

The CSS property to change the border of an element to XYZ 48.0099, 61.3865, 35.7040 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(176, 218, 144) }
```


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

```
.border{ border-color:rgb(176, 218, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 218, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 218, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 218, 144);  
box-shadow:4px 4px 4px 4px rgb(176, 218,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0099, 61.3865, 35.7040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 218, 144) }
```

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

```
.background{ background-color: rgb(176,  
218, 144) }
```

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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