

Converting Colors

XYZ(51.6516, 66.5806, 42.9857)

Have a look what the booklet for
XYZ(51.6516, 66.5806, 42.9857)
contains.

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Color

**XYZ(51.6316, 66.6715,
42.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E39F
RGB	176, 227, 159
RGB Percent	69%, 89%, 62%
CMY	0.3098, 0.1098, 0.3765
CMYK	0.22, 0.00, 0.30, 0.11
HSL	105°, 55%, 76%
HSV	105°, 30%, 89%
XYZ	51.6316, 66.6715, 42.9485
YIQ	203.9990, -8.5680, -31.9600

Conversions

Conversions Part 2

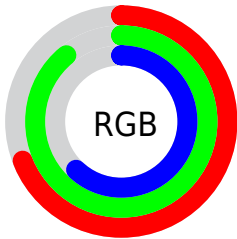
Format	Color
RYB	159, 227, 210
Decimal	11592607
CIELab	85.34, -28.83, 28.04
CIElCh	85, 40.220, 135.792
Yxy	66.6715, 0.3202, 0.4135
Android (android.graphics.Color)	4289782687 (0xFFB0E39F)
YUV	203.9990, -22.1845, -24.5551
Hunter-Lab	81.6526, -30.0207, 25.9709

Details

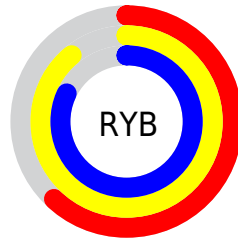
The XYZ color **51.6316, 66.6715, 42.9485** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.8445, 44.0459, 78.3931**, and the grayscale version is **57.5350, 60.5313, 65.9186**.

A 20% lighter version of the original color is **81.5019, 93.6987, 77.4084**, and **25.2428, 34.3249, 19.2049** is the 20% darker color. If you saturate the color by 10%, you get **46.2289, 64.0954, 33.3403**, and if you desaturate by 10%, it is **57.8824, 69.6470, 54.4875**.

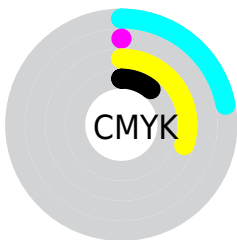
Distribution



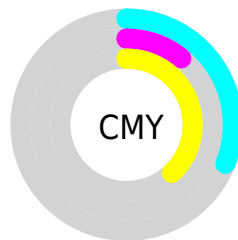
- Red (69%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6316, 66.6715, 42.9485 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 51.6316, 66.6715, 42.9485 by changing the saturation by 10% instead.


 51.6316, 66.6715,
42.9485


 51.6316, 66.6715,
42.9485

383.3601,
448.7746, 374.3149

 36.9346, 48.8177,
29.5136


 91.7651, 114.4496,
80.9187

 25.3303, 34.4749,
19.2208

 117.9324,
145.1427, 106.2910

 16.4534, 23.2587,
11.6515


148.6538,
180.8843, 136.4796

 9.9384, 14.7846,
6.3872

184.2947,
222.0589, 171.9030

 5.4201, 8.6684,
3.0093

225.2204,
269.0508, 212.9796

 2.5331, 4.5255,
1.0994

271.7963,

 0.9120, 1.9717,

322.2445, 260.1281

0.0000

324.3877,
382.0243, 313.7671

0.0000, 0.5909,
0.0000

0.0000, 0.0000,
0.0000

51.6316, 66.6715,
42.9485

51.6316, 66.6715,
42.9485

46.2289, 64.0954,
33.3403

57.8824, 69.6470,
54.4875

41.6316, 61.8930,
25.5532

65.0114, 73.0293,
68.0502

37.8006, 60.0487,
19.4733

73.0534, 76.8364,
83.7287

34.6917, 58.5423,
14.9723

82.0398, 81.0826,
101.6081

■ 32.2554, 57.3518,
11.9033

■ 86.7604, 83.4209,
106.1368

■ 30.4352, 56.4516,
10.0923

■ 29.1480, 55.8056,
9.2381

■ 29.1432, 55.8032,
9.2351

Harmonies

Analogous

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



58.7239, 66.6715, 34.2501



51.6316, 66.6715, 42.9485



47.8695, 66.6715, 60.9710

Triad

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



51.6316, 66.6715, 42.9485



59.1691, 66.6715, 132.8447



81.7500, 66.6715, 59.7878

Complementary

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



51.6316, 66.6715, 42.9485



52.8445, 44.0459, 78.3931

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.



81.8984, 66.6715, 85.6073



51.6316, 66.6715, 42.9485



68.2534, 66.6715, 132.3091

Square

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



51.6316, 66.6715, 42.9485



51.9305, 66.6715, 114.7851



76.7633, 66.6715, 113.4609



76.3753, 66.6715, 42.2619

Rectangle

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



51.6316, 66.6715, 42.9485



47.5004, 66.6715, 77.7712



76.7633, 66.6715, 113.4609



82.4289, 66.6715, 67.6517

Sweetspot

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



51.6333, 66.6744, 42.9500



85.5209, 95.4893, 90.3050



60.9860, 64.9303, 42.1204



17.9951, 20.2918, 18.7316



0.0000, 0.0000, 0.0000



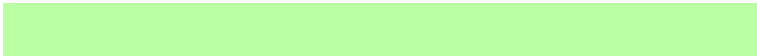
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6333, 66.6744, 42.9500



62.6743, 84.6291, 47.7761



49.6057, 65.4467, 51.0938



14.5252, 16.2623, 15.2778



17.0856, 32.5894, 5.3899



1.3461, 2.4513, 0.4022

Inverse Universe

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



52.8445, 44.0459, 78.3931



64.4786, 50.6501, 100.9858



55.7120, 45.7821, 66.8760



14.6248, 14.4243, 18.1577



17.8987, 8.2930, 43.0405



1.4062, 0.6559, 3.1845

Previews

White Background



This preview shows how the XYZ color 51.6316, 66.6715, 42.9485 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 51.6316, 66.6715, 42.9485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

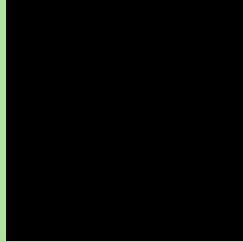
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6316, 66.6715, 42.9485

Background



This preview shows how black text looks on a background with the XYZ color 51.6316, 66.6715, 42.9485.



This preview shows how white text looks on a background with the XYZ color 51.6316, 66.6715,

42.9485.

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

51.6316, 66.6715, 42.9485

Protanopia

61.6064, 66.0449, 39.6379

Deuteranopia

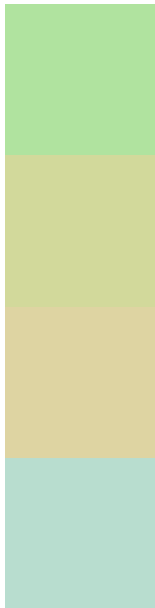
67.3606, 66.0058, 44.3121



Tritanopia

60.5473, 66.3152, 88.2062

Trichromacy



Original Color

51.6316, 66.6715, 42.9485

Protanomaly

57.3076, 65.6939, 40.6701

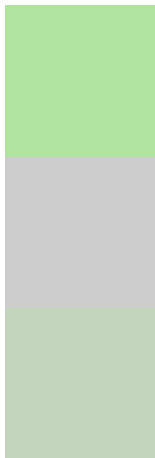
Deuteranomaly

60.1893, 65.2252, 43.5998

Tritanomaly

56.8861, 66.4082, 68.8513

Monochromacy



Original Color

51.6316, 66.6715, 42.9485

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

54.8687, 62.1871, 56.6884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6316, 66.6715, 42.9485 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, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 159)  
}
```

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, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 159) }
```

Border

The CSS property to change the border of an element to XYZ 51.6316, 66.6715, 42.9485 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, 227, 159) }
```


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

```
.border{ border-color:rgb(176, 227, 159) }
```

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

Here you see how a box with a 4 pixel rgb(176, 227, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 227,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6316, 66.6715, 42.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 159) }
```

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

```
.background{ background-color: rgb(176,  
227, 159) }
```

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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