

Converting Colors

XYZ(49.0411, 65.2983, 29.8442)

Have a look what the booklet for
XYZ(49.0411, 65.2983, 29.8442)
contains.

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Color

**XYZ(48.8667, 65.1292,
29.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E27E
RGB	176, 226, 126
RGB Percent	69%, 89%, 49%
CMY	0.3098, 0.1137, 0.5059
CMYK	0.22, 0.00, 0.44, 0.11
HSL	90°, 63%, 69%
HSV	90°, 44%, 89%
XYZ	48.8667, 65.1292, 29.7343
YIQ	199.6500, 2.3000, -41.7000

Conversions

Conversions Part 2

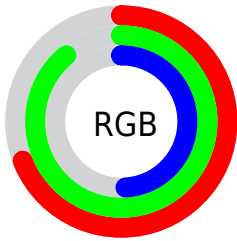
Format	Color
RYB	126, 226, 176
Decimal	11592318
CIELab	84.55, -32.85, 43.61
CIELCh	85, 54.596, 126.994
Yxy	65.1292, 0.3400, 0.4531
Android (android.graphics.Color)	4289782398 (0xFFB0E27E)
YUV	199.6500, -36.3095, -20.7411
Hunter-Lab	80.7027, -33.1452, 34.6469

Details

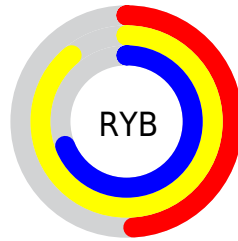
The XYZ color **48.8667, 65.1292, 29.7343** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **39.0957, 29.6447, 75.6167**, and the grayscale version is **54.9011, 57.7602, 62.9009**.

A 20% lighter version of the original color is **77.6025, 92.1389, 56.8745**, and **23.4959, 33.3088, 11.6694** is the 20% darker color. If you saturate the color by 10%, you get **45.1206, 63.3500, 22.7877**, and if you desaturate by 10%, it is **53.1582, 67.1556, 38.4286**.

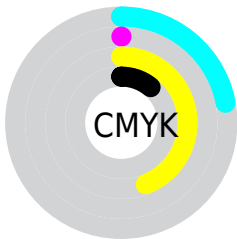
Distribution



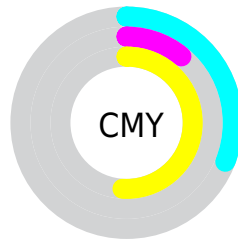
- Red (69%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8667, 65.1292, 29.7343 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 48.8667, 65.1292, 29.7343 by changing the saturation by 10% instead.


 48.8667, 65.1292,
29.7343


 48.8667, 65.1292,
29.7343


372.7430,
443.2561, 314.8327


 34.7278, 47.5659,
19.3867


 87.6954, 112.2356,
60.2978

 23.6188, 33.4832,
11.7704


 113.1159,
142.5474, 81.3507

 15.1743, 22.4969,
6.4669


 143.0277,
177.8775, 106.8091

 9.0289, 14.2224,
3.0577

177.7961,
218.6103, 137.0916

 4.8173, 8.2755,
1.1241

217.7864,
265.1302, 172.6166

 2.1741, 4.2718,
0.0000

263.3641,

 0.7291, 1.8267,

317.8215, 213.8028

0.0000

314.8945,
377.0687, 261.0686

0.0000, 0.5037,
0.0000

0.0000, 0.0000,
0.0000

48.8667, 65.1292,
29.7343

48.8667, 65.1292,
29.7343

45.1206, 63.3500,
22.7877

53.1582, 67.1556,
38.4286

41.8876, 61.7977,
17.4661


58.0157, 69.4314,
48.9738

39.1385, 60.4624,
13.6375


63.4642, 71.9692,
61.4703

36.8385, 59.3294,
11.1474

69.5260, 74.7786,
76.0098

 34.9461, 58.3816,
9.8077

 76.2217, 77.8684,
92.6783

 34.0070, 57.9058,
9.3846

 82.4890, 80.8141,
105.8588

 86.4878, 82.8755,
106.0459

Harmonies

Analogous

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



59.0984, 65.1292, 23.0356



48.8667, 65.1292, 29.7343



42.7705, 65.1292, 47.8202

Triad

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



48.8667, 65.1292, 29.7343



53.2030, 65.1292, 152.1877



88.1474, 65.1292, 63.0658

Complementary

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



48.8667, 65.1292, 29.7343



39.0957, 29.6447, 75.6167

Split Complementary

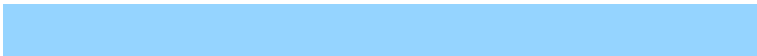
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0298, 65.1292, 100.4549



48.8667, 65.1292, 29.7343



64.7957, 65.1292, 160.3667

Square

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



48.8667, 65.1292, 29.7343



45.0355, 65.1292, 119.3513



77.0740, 65.1292, 139.0146



82.5310, 65.1292, 37.7570

Rectangle

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



48.8667, 65.1292, 29.7343



41.3573, 65.1292, 67.4585



77.0740, 65.1292, 139.0146



88.3270, 65.1292, 74.4868

Sweetspot

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



48.8683, 65.1320, 29.7357



84.3270, 95.0364, 82.9012



50.6578, 48.7282, 26.4751



17.6896, 20.1745, 16.8993



0.0000, 0.0000, 0.0000



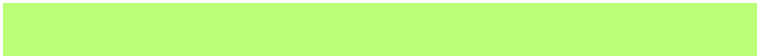
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8683, 65.1320, 29.7357



59.7374, 83.4902, 30.6883



39.5684, 60.3378, 29.3005



14.1784, 15.6721, 14.5845



19.5370, 33.1042, 5.3600



1.4575, 2.3478, 0.3764

Inverse Universe

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



39.0957, 29.6447, 75.6167



45.3475, 31.2361, 98.2468



52.5550, 36.5833, 76.2465



13.6018, 13.5783, 17.2917



11.8543, 5.2064, 41.4285



0.9249, 0.4141, 2.8764

Previews

White Background



This preview shows how the XYZ color 48.8667, 65.1292, 29.7343 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 48.8667, 65.1292, 29.7343 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 48.8667, 65.1292, 29.7343

Background



This preview shows how black text looks on a background with the XYZ color 48.8667, 65.1292, 29.7343.

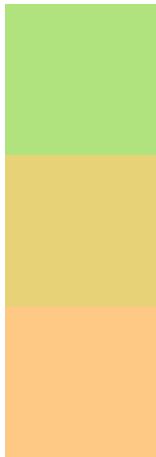


This preview shows how white text looks on a background with the XYZ color 48.8667, 65.1292,

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

48.8667, 65.1292, 29.7343

Protanopia

59.3918, 64.4382, 27.0768

Deuteranopia

65.9246, 64.5101, 30.8069



Tritanopia

59.9562, 64.9390, 84.9758

Trichromacy



Original Color

48.8667, 65.1292, 29.7343

Protanomaly

54.9327, 64.3658, 27.9409

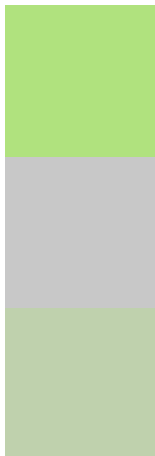
Deuteranomaly

58.4399, 63.8736, 30.3678

Tritanomaly

54.9467, 64.4322, 59.9927

Monochromacy



Original Color

48.8667, 65.1292, 29.7343

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.8291, 59.6944, 48.3257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8667, 65.1292, 29.7343 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, 226, 126)` looks like.

```
.text, #text, p{  
    color:rgb(176, 226, 126)  
}
```

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, 226, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 226, 126) }
```

Border

The CSS property to change the border of an element to XYZ 48.8667, 65.1292, 29.7343 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, 226, 126) }
```


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

```
.border{ border-color:rgb(176, 226, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 226, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 226, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 226, 126);  
box-shadow:4px 4px 4px 4px rgb(176, 226,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8667, 65.1292, 29.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 226, 126) }
```

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

```
.background{ background-color: rgb(176,  
226, 126) }
```

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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