

Converting Colors

XYZ(49.0569, 66.2494, 26.3339)

Have a look what the booklet for
XYZ(49.0569, 66.2494, 26.3339)
contains.

XYZ(48.9694, 66.0717, 26.3918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9694, 66.0717,
26.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E473
RGB	177, 228, 115
RGB Percent	69%, 89%, 45%
CMY	0.3059, 0.1059, 0.5490
CMYK	0.22, 0.00, 0.50, 0.11
HSL	87°, 68%, 67%
HSV	87°, 50%, 89%
XYZ	48.9694, 66.0717, 26.3918
YIQ	199.8690, 5.8770, -45.9550

Conversions

Conversions Part 2

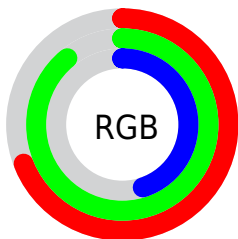
Format	Color
RYB	115, 228, 166
Decimal	11658355
CIELab	85.03, -34.65, 49.49
CIELCh	85, 60.419, 124.996
Yxy	66.0717, 0.3462, 0.4672
Android (android.graphics.Color)	4289848435 (0xFFB1E473)
YUV	199.8690, -41.8404, -20.0561
Hunter-Lab	81.2845, -34.7115, 37.6486

Details

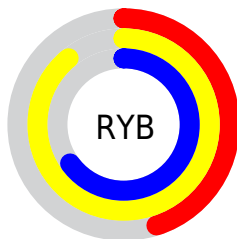
The XYZ color **48.9694, 66.0717, 26.3918** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.8629, 25.9717, 76.5253**, and the grayscale version is **55.0675, 57.9353, 63.0915**.

A 20% lighter version of the original color is **77.1824, 92.0467, 51.2350**, and **23.6758, 34.0015, 10.0177** is the 20% darker color. If you saturate the color by 10%, you get **45.5604, 64.4497, 20.2105**, and if you desaturate by 10%, it is **52.8829, 67.9205, 34.2930**.

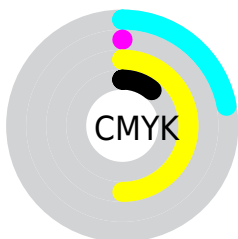
Distribution



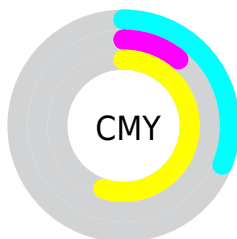
- Red (69%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (65%)



- Cyan (22%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9694, 66.0717, 26.3918 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 48.9694, 66.0717, 26.3918 by changing the saturation by 10% instead.


 48.9694, 66.0717,
26.3918


 48.9694, 66.0717,
26.3918


373.1408,
446.6333, 298.3666

 34.8096, 48.3306,
16.8886


 87.8470, 113.5892,
54.8982

 23.6821, 34.0888,
9.9940


 113.2956,
144.1345, 74.7384

 15.2214, 22.9618,
5.2894


 143.2377,
179.7165, 98.8614

 9.0623, 14.5653,
2.3564

178.0389,
220.7198, 127.6857

 4.8393, 8.5149,
0.7625

218.0645,
267.5288, 161.6298

 2.1870, 4.4261,
0.0000

263.6797,

 0.7359, 1.9147,

320.5277, 201.1123

0.0000

315.2501,
380.1011, 246.5517

0.0000, 0.5572,
0.0000

0.0000, 0.0000,
0.0000

48.9694, 66.0717,
26.3918

48.9694, 66.0717,
26.3918

45.5604, 64.4497,
20.2105

52.8829, 67.9205,
34.2930

42.6228, 63.0339,
15.6162


57.3218, 69.9980,
44.0252


40.1264, 61.8142,
12.4638


62.3113, 72.3170,
55.6953

38.0342, 60.7752,
10.5795


67.8732, 74.8867,
69.4005


 36.2873, 59.8928,
9.6767

 74.0284, 77.7158,
85.2318

 36.2157, 59.8565,
9.6447

 80.7963, 80.8125,
103.2744

 84.8757, 82.8565,
106.1272

 87.0348, 83.9696,
106.2283

Harmonies

Analogous

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



60.5501, 66.0717, 20.1670



48.9694, 66.0717, 26.3918



41.9642, 66.0717, 44.7123

Triad

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



48.9694, 66.0717, 26.3918



52.3864, 66.0717, 163.3437



92.6028, 66.0717, 65.6161

Complementary

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



48.9694, 66.0717, 26.3918



35.8629, 25.9717, 76.5253

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.



89.5912, 66.0717, 108.4467



48.9694, 66.0717, 26.3918



65.1033, 66.0717, 175.2498

Square

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



48.9694, 66.0717, 26.3918



43.7284, 66.0717, 123.9808



79.0146, 66.0717, 152.3378



86.7371, 66.0717, 36.9821

Rectangle

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



48.9694, 66.0717, 26.3918



40.1935, 66.0717, 65.6075



79.0146, 66.0717, 152.3378



92.6025, 66.0717, 78.6692

Sweetspot

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



48.9710, 66.0746, 26.3932



83.4230, 94.6481, 79.3473



48.7009, 44.9521, 22.3304



17.5360, 20.1106, 16.2011



0.0000, 0.0000, 0.0000



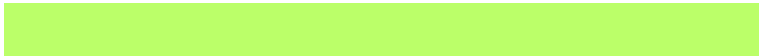
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9710, 66.0746, 26.3932



58.8029, 83.1072, 26.1857



38.6761, 60.7674, 25.9114



14.9414, 16.4768, 15.2973



21.0497, 34.6330, 5.5754



1.6622, 2.6143, 0.4170

Inverse Universe

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



35.8629, 25.9717, 76.5253



40.1697, 26.0542, 97.5195



50.3684, 33.4496, 77.2042



14.1975, 14.2041, 18.1377



11.4426, 4.9648, 42.7384



0.9513, 0.4214, 3.1632

Previews

White Background



This preview shows how the XYZ color 48.9694, 66.0717, 26.3918 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 48.9694, 66.0717, 26.3918 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 48.9694, 66.0717, 26.3918

Background



This preview shows how black text looks on a background with the XYZ color 48.9694, 66.0717, 26.3918.



This preview shows how white text looks on a background with the XYZ color 48.9694, 66.0717,

26.3918.

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

48.9694, 66.0717, 26.3918

Protanopia

60.2896, 65.7052, 24.2566

Deuteranopia

66.6252, 65.5836, 30.2665



Tritanopia

60.8582, 65.7645, 85.8302

Trichromacy



Original Color

48.9694, 66.0717, 26.3918

Protanomaly

55.4366, 65.4588, 25.0422

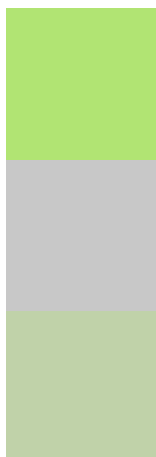
Deuteranomaly

58.9237, 64.8985, 28.8231

Tritanomaly

55.2720, 65.4253, 57.8593

Monochromacy



Original Color

48.9694, 66.0717, 26.3918

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.9463, 60.1642, 46.4111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9694, 66.0717, 26.3918 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(177, 228, 115)` looks like.

```
.text, #text, p{  
    color:rgb(177, 228, 115)  
}
```

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(177, 228, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 228, 115) }
```

Border

The CSS property to change the border of an element to XYZ 48.9694, 66.0717, 26.3918 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(177, 228, 115) }
```


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

```
.border{ border-color:rgb(177, 228, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 228, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 228, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 228, 115); box-shadow:4px 4px 4px 4px rgb(177, 228, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9694, 66.0717, 26.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 228, 115) }
```

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

```
.background{ background-color: rgb(177,  
228, 115) }
```

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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