

# Converting Colors

XYZ(47.0030, 59.9469, 25.3139)

Have a look what the booklet for  
XYZ(47.0030, 59.9469, 25.3139)  
contains.

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# Color

**XYZ(46.9234, 59.9060,  
25.3095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D773
RGB	183, 215, 115
RGB Percent	72%, 84%, 45%
CMY	0.2824, 0.1568, 0.5490
CMYK	0.15, 0.00, 0.47, 0.16
HSL	79°, 56%, 65%
HSV	79°, 47%, 84%
XYZ	46.9234, 59.9060, 25.3095
YIQ	194.0320, 13.0280, -37.8840

# Conversions

## Conversions Part 2

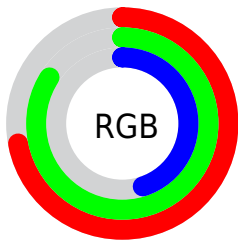
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 215, 147
Decimal	12048243
CIELab	81.79, -26.32, 45.63
CIElCh	82, 52.676, 119.982
Yxy	59.9060, 0.3551, 0.4534
Android (android.graphics.Color)	4290238323 (0xFFB7D773)
YUV	194.0320, -38.9628, -9.6751
Hunter-Lab	77.3990, -27.2319, 34.7914

# Details

The XYZ color **46.9234, 59.9060, 25.3095** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.4315, 23.3724, 67.2009**, and the grayscale version is **51.5165, 54.1993, 59.0231**.

A 20% lighter version of the original color is **78.8566, 92.9098, 51.3133**, and **22.3983, 30.1010, 9.4800** is the 20% darker color. If you saturate the color by 10%, you get **44.2313, 58.6467, 19.4616**, and if you desaturate by 10%, it is **49.9871, 61.3273, 32.6832**.

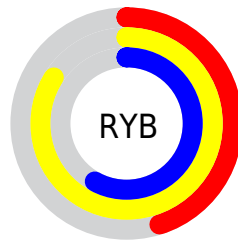
# Distribution



Red (72%)

Green (84%)

Blue (45%)



Red (45%)

Yellow (84%)

Blue (58%)

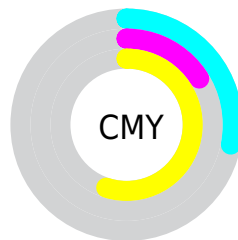


Cyan (15%)

Magenta (0%)

Yellow (47%)

Black (16%)



Cyan (28%)

Magenta (16%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9234, 59.9060, 25.3095 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 46.9234, 59.9060, 25.3095 by changing the saturation by 10% instead.



■ 46.9234, 59.9060,  
25.3095

■ 46.9234, 59.9060,  
25.3095

365.1627,  
424.2512, 292.8726

■ 33.1828, 43.3429,  
16.0867

■ 84.8187, 104.6933,  
53.1292

■ 22.4264, 30.1542,  
9.4305

■ 109.7041,  
133.6863, 72.5632

■ 14.2889, 19.9557,  
4.9224

■ 139.0352,  
167.5913, 96.2379

■ 8.4049, 12.3628,  
2.1439

173.1773,  
206.7928, 124.5721

■ 4.4091, 6.9913,  
0.6417

212.4957,  
251.6751, 157.9840

■ 1.9361, 3.4567,  
0.0000

257.3558,

■ 0.5977, 1.3745,

302.6227, 196.8924

0.0000

308.1231,  
360.0199, 241.7158

■ 0.0000, 0.1978,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.9234, 59.9060,  
25.3095

■ 46.9234, 59.9060,  
25.3095

■ 44.2313, 58.6467,  
19.4616

■ 49.9871, 61.3273,  
32.6832

■ 41.8848, 57.5328,  
15.0285


■ 53.4374, 62.9105,  
41.6759


■ 39.8612, 56.5569,  
11.8903


■ 57.2937, 64.6657,  
52.3777

■ 38.1326, 55.7079,  
9.9053


■ 61.5728, 66.5995,  
64.8710


 36.6634, 54.9714,  
8.8936


 66.2904, 68.7185,  
79.2329

 36.1904, 54.7323,  
8.6570

 71.4612, 71.0287,  
95.5360

 75.3609, 72.8404,  
104.6954

 77.6281, 74.0091,  
104.8015

 79.9835, 75.2234,  
104.9117

# Harmonies

## Analogous

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



56.9457, 59.9060, 21.2020



46.9234, 59.9060, 25.3095



40.3828, 59.9060, 39.1733

# Triad

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



46.9234, 59.9060, 25.3095



46.9130, 59.9060, 133.7764



81.0653, 59.9060, 65.2470

# Complementary

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



46.9234, 59.9060, 25.3095



30.4315, 23.3724, 67.2009

# 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.



77.4952, 59.9060, 100.8429



46.9234, 59.9060, 25.3095



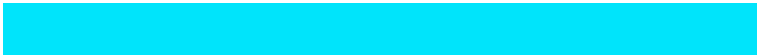
56.9320, 59.9060, 147.4557

# Square

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



46.9234, 59.9060, 25.3095



40.3774, 59.9060, 100.7976



68.2868, 59.9060, 133.8081



77.5036, 59.9060, 39.1974



# Rectangle

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



46.9234, 59.9060, 25.3095



38.3979, 59.9060, 55.1593



68.2868, 59.9060, 133.8081



80.6541, 59.9060, 76.4517

# Sweetspot

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



46.9249, 59.9087, 25.3108



85.7464, 95.8073, 81.1984



41.5030, 36.4507, 21.0687



18.0706, 20.3786, 16.5691



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.



46.9249, 59.9087, 25.3108



65.0746, 86.2931, 28.6141



37.1225, 54.8554, 24.8520



13.0684, 14.3115, 13.2343



21.7597, 32.7939, 5.1830



1.3969, 2.0215, 0.3166



# Inverse Universe

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



30.4315, 23.3724, 67.2009



37.9476, 26.1117, 97.6477



41.3374, 28.9946, 67.7113



12.1130, 12.1997, 15.6539



8.8944, 3.7378, 38.7058



0.6216, 0.2694, 2.3385



# Previews

## White Background



This preview shows how the XYZ color 46.9234, 59.9060, 25.3095 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 46.9234, 59.9060, 25.3095 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 46.9234, 59.9060, 25.3095**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9234, 59.9060, 25.3095.



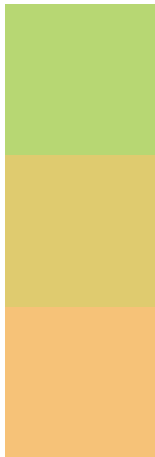
This preview shows how white text looks on a background with the XYZ color 46.9234, 59.9060,



# 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

46.9234, 59.9060, 25.3095

### Protanopia

54.6566, 59.5475, 23.6520

### Deuteranopia

60.6880, 59.5325, 26.0616



## **Tritanopia**

56.9071, 59.5621, 75.5151

# Trichromacy



## Original Color

46.9234, 59.9060, 25.3095

## Protanomaly

51.2499, 59.2054, 24.0559

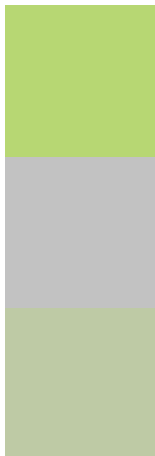
## Deuteranomaly

54.8220, 59.2370, 25.6840

## Tritanomaly

52.1392, 59.0382, 52.3635

# Monochromacy



## Original Color

46.9234, 59.9060, 25.3095

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.1473, 55.9048, 43.7977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9234, 59.9060, 25.3095 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(183, 215, 115)` looks like.

```
.text, #text, p{  
    color:rgb(183, 215, 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(183, 215, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 215, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9234, 59.9060, 25.3095 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(183, 215, 115) }
```



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

```
.border{ border-color:rgb(183, 215, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 215, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 215, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 215, 115);  
box-shadow:4px 4px 4px 4px rgb(183, 215,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9234, 59.9060, 25.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 215, 115) }
```

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

```
.background{ background-color: rgb(183,  
215, 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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