

Converting Colors

XYZ(46.7027, 60.6756, 19.6925)

Have a look what the booklet for
XYZ(46.7027, 60.6756, 19.6925)
contains.

XYZ(46.7962, 60.7303, 19.6116)	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(46.7962, 60.7303,
19.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D95D
RGB	185, 217, 93
RGB Percent	73%, 85%, 36%
CMY	0.2745, 0.1490, 0.6353
CMYK	0.15, 0.00, 0.57, 0.15
HSL	75°, 62%, 61%
HSV	75°, 57%, 85%
XYZ	46.7962, 60.7303, 19.6116
YIQ	193.2960, 20.7320, -45.3480

Conversions

Conversions Part 2

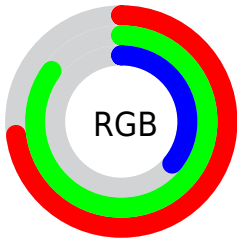
Format	Color
RYB	93, 217, 125
Decimal	12179805
CIELab	82.23, -28.61, 56.42
CIELCh	82, 63.257, 116.885
Yxy	60.7303, 0.3681, 0.4777
Android (android.graphics.Color)	4290369885 (0xFFB9D95D)
YUV	193.2960, -49.4459, -7.2756
Hunter-Lab	77.9296, -29.1889, 39.6300

Details

The XYZ color **46.7962, 60.7303, 19.6116** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **24.8985, 17.2000, 67.6568**, and the grayscale version is **51.1376, 53.8008, 58.5891**.

A 20% lighter version of the original color is **77.9886, 92.6813, 41.3826**, and **22.3234, 30.6477, 6.5728** is the 20% darker color. If you saturate the color by 10%, you get **44.6440, 59.7185, 15.1862**, and if you desaturate by 10%, it is **49.2773, 61.8841, 25.4781**.

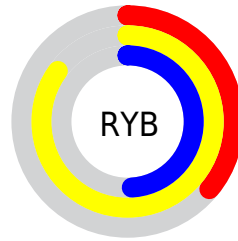
Distribution



Red (73%)

Green (85%)

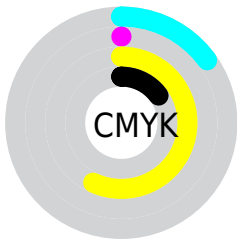
Blue (36%)



Red (36%)

Yellow (85%)

Blue (49%)

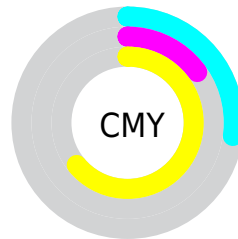


Cyan (15%)

Magenta (0%)

Yellow (57%)

Black (15%)



Cyan (27%)

Magenta (15%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7962, 60.7303, 19.6116 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 46.7962, 60.7303, 19.6116 by changing the saturation by 10% instead.

■ 46.7962, 60.7303,
19.6116

■ 46.7962, 60.7303,
19.6116

364.6630,
427.2844, 262.3390

■ 33.0818, 44.0075,
11.9318

■ 84.6299, 105.8883,
43.6154

■ 22.3487, 30.6764,
6.5753

■ 109.4800,
135.0924, 60.7765

■ 14.2314, 20.3526,
3.1235

■ 138.7727,
169.2257, 81.9350

■ 8.3645, 12.6516,
1.1581

■ 172.8734,
208.6726, 107.5096

■ 4.3828, 7.1891,
0.0000

212.1474,
253.8176, 137.9187

■ 1.9209, 3.5806,
0.0000

256.9601,

■ 0.5890, 1.4419,

305.0449, 173.5810

0.0000

307.6768,
362.7391, 214.9149

0.0000, 0.2473,
0.0000

0.0000, 0.0000,
0.0000

46.7962, 60.7303,
19.6116

46.7962, 60.7303,
19.6116

44.6440, 59.7185,
15.1862

49.2773, 61.8841,
25.4781

42.7919, 58.8307,
12.0729


52.1044, 63.1803,
32.8924

41.2130, 58.0582,
10.1267


55.2986, 64.6297,
41.9554


39.8697, 57.3859,
9.1533

58.8777, 66.2394,
52.7585


 39.5111, 57.2049,
8.9592

 62.8584, 68.0162,
65.3864

 67.2563, 69.9663,
79.9182

 72.0861, 72.0957,
96.4284

 75.4357, 73.6396,
104.8457

 77.2603, 74.5803,
104.9311

Harmonies

Analogous

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



59.1394, 60.7303, 16.3044



46.7962, 60.7303, 19.6116



38.6523, 60.7303, 33.3454

Triad

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



46.7962, 60.7303, 19.6116



44.7111, 60.7303, 149.6185



87.5994, 60.7303, 70.2329

Complementary

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



46.7962, 60.7303, 19.6116



24.8985, 17.2000, 67.6568

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.



82.2151, 60.7303, 115.4225



46.7962, 60.7303, 19.6116



56.3280, 60.7303, 171.1257

Square

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



46.7962, 60.7303, 19.6116



37.5863, 60.7303, 105.6062



70.2291, 60.7303, 156.6647



84.0074, 60.7303, 37.9609

Rectangle

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



46.7962, 60.7303, 19.6116



36.0150, 60.7303, 50.6982



70.2291, 60.7303, 156.6647



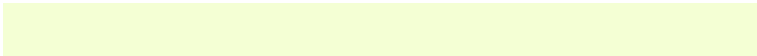
86.7615, 60.7303, 84.4011

Sweetspot

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



46.7976, 60.7330, 19.6129



84.8423, 95.4551, 76.0091



37.8009, 29.9592, 14.1471



17.9261, 20.3266, 15.5490



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.



46.7976, 60.7330, 19.6129



63.6338, 85.7262, 20.5996



35.1029, 54.7042, 19.0656



13.8171, 15.0860, 13.9092



24.0197, 34.6801, 5.4280



1.6345, 2.2872, 0.3553

Inverse Universe

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



24.8985, 17.2000, 67.6568



29.2289, 17.1389, 96.3753



36.6906, 23.2790, 68.2087



12.6522, 12.7788, 16.4519



8.6531, 3.5850, 39.9743



0.6407, 0.2735, 2.5935

Previews

White Background



This preview shows how the XYZ color 46.7962, 60.7303, 19.6116 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 46.7962, 60.7303, 19.6116 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 46.7962, 60.7303, 19.6116

Background



This preview shows how black text looks on a background with the XYZ color 46.7962, 60.7303, 19.6116.



This preview shows how white text looks on a background with the XYZ color 46.7962, 60.7303,

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

46.7962, 60.7303, 19.6116

Protanopia

55.0746, 60.2379, 18.1755

Deuteranopia

61.3276, 59.9937, 20.1520



Tritanopia

58.3306, 60.6324, 76.3390

Trichromacy



Original Color

46.7962, 60.7303, 19.6116

Protanomaly

51.7973, 60.3362, 18.5889

Deuteranomaly

54.9568, 59.4350, 19.8848

Tritanomaly

52.9461, 60.2590, 48.8850

Monochromacy



Original Color

46.7962, 60.7303, 19.6116

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.4415, 55.6225, 40.0814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7962, 60.7303, 19.6116 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(185, 217, 93)` looks like.

```
.text, #text, p{  
    color:rgb(185, 217, 93)  
}
```

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(185, 217, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 217, 93) }
```

Border

The CSS property to change the border of an element to XYZ 46.7962, 60.7303, 19.6116 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(185, 217, 93) }
```


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

```
.border{ border-color:rgb(185, 217, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 217, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 217, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 217, 93);  
box-shadow:4px 4px 4px 4px rgb(185, 217,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7962, 60.7303, 19.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 217, 93) }
```

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

```
.background{ background-color: rgb(185,  
217, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor