

Converting Colors

XYZ(46.2058, 53.7149, 40.0481)

Have a look what the booklet for
XYZ(46.2058, 53.7149, 40.0481)
contains.

XYZ(46.2685, 53.8102, 39.8461)	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(46.2685, 53.8102,
39.8461)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C89D
RGB	183, 200, 157
RGB Percent	72%, 78%, 62%
CMY	0.2824, 0.2157, 0.3843
CMYK	0.09, 0.00, 0.22, 0.22
HSL	84°, 28%, 70%
HSV	84°, 22%, 78%
XYZ	46.2685, 53.8102, 39.8461
YIQ	190.0150, 3.6710, -16.9770

Conversions

Conversions Part 2

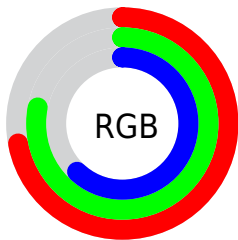
Format	Color
RYB	157, 200, 174
Decimal	12044445
CIELab	78.35, -13.36, 19.62
CIELCh	78, 23.735, 124.253
Yxy	53.8102, 0.3307, 0.3846
Android (android.graphics.Color)	4290234525 (0xFFB7C89D)
YUV	190.0150, -16.2764, -6.1522
Hunter-Lab	73.3554, -15.7842, 19.1429

Details

The XYZ color **46.2685, 53.8102, 39.8461** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9401, 37.2843, 59.7381**, and the grayscale version is **49.0427, 51.5968, 56.1889**.

A 20% lighter version of the original color is **83.2403, 94.6242, 76.1644**, and **22.0346, 26.3235, 17.2842** is the 20% darker color. If you saturate the color by 10%, you get **42.8707, 52.2416, 31.4915**, and if you desaturate by 10%, it is **50.0545, 55.5498, 49.6802**.

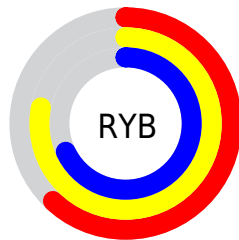
Distribution



Red (72%)

Green (78%)

Blue (62%)



Red (62%)

Yellow (78%)

Blue (68%)

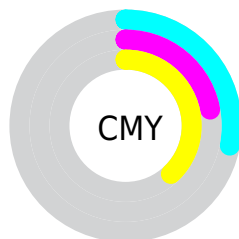


Cyan (9%)

Magenta (0%)

Yellow (22%)

Black (22%)



Cyan (28%)

Magenta (22%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2685, 53.8102, 39.8461 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 46.2685, 53.8102, 39.8461 by changing the saturation by 10% instead.

■ 46.2685, 53.8102,
39.8461

■ 46.2685, 53.8102,
39.8461

362.5849,
401.3858, 361.0073

■ 32.6633, 38.4499,
27.1057

■ 83.8461, 95.7955,
76.1636

■ 22.0266, 26.3321,
17.4195

■ 108.5492,
123.1893, 100.5778

■ 13.9932, 17.0722,
10.3689

137.6822,
155.3632, 129.7204

■ 8.1976, 10.2860,
5.5354

171.6107,
192.7014, 164.0098

■ 4.2745, 5.5890,
2.5005

210.6998,
235.5883, 203.8647

■ 1.8586, 2.5968,
0.8404

255.3150,

■ 0.5526, 0.9251,

284.4085, 249.7035

0.0000

305.8216,
339.5462, 301.9449

0.0000, 0.0000,
0.0000

46.2685, 53.8102,
39.8461

46.2685, 53.8102,
39.8461

42.8707, 52.2416,
31.4915

50.0545, 55.5498,
49.6802

39.8414, 50.8307,
24.5413

54.2386, 57.4594,
61.0571

37.1657, 49.5729,
18.9190

58.8360, 59.5468,
74.0406

34.8254, 48.4610,
14.5396

63.8593, 61.8174,
88.6898

32.8009, 47.4867,
11.3079

68.9965, 64.1465,
103.3527

■ 31.0695, 46.6409,
9.1152

■ 71.4840, 65.4288,
103.4692

■ 29.6046, 45.9126,
7.8319

■ 74.0867, 66.7706,
103.5910

■ 28.5291, 45.3699,
7.2536

■ 76.8062, 68.1725,
103.7182

■ 79.6439, 69.6354,
103.8510

Harmonies

Analogous

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



50.4837, 53.8102, 36.5558



46.2685, 53.8102, 39.8461



43.4958, 53.8102, 48.1410

Triad

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



46.2685, 53.8102, 39.8461



47.3529, 53.8102, 84.8587



60.6049, 53.8102, 56.7086

Complementary

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



46.2685, 53.8102, 39.8461



39.9401, 37.2843, 59.7381

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.



59.6422, 53.8102, 70.4515



46.2685, 53.8102, 39.8461



51.8120, 53.8102, 88.0671

Square

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



46.2685, 53.8102, 39.8461



44.0947, 53.8102, 74.2429



56.3526, 53.8102, 82.4471



58.9094, 53.8102, 45.3083

Rectangle

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



46.2685, 53.8102, 39.8461



42.7426, 53.8102, 56.0596



56.3526, 53.8102, 82.4471



60.5822, 53.8102, 61.1957

Sweetspot

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



46.2699, 53.8126, 39.8473



90.4927, 97.9240, 96.3364



44.9437, 44.7884, 38.1753



19.2664, 20.9129, 20.3404



0.0000, 0.0000, 0.0000



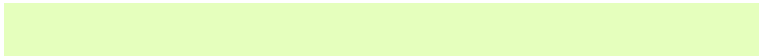
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2699, 53.8126, 39.8473



77.1568, 91.8035, 61.6268



41.6455, 51.4286, 39.6308



11.1023, 12.1997, 11.3324



18.2420, 28.8994, 4.6167



0.9436, 1.4095, 0.2223

Inverse Universe

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



39.9401, 37.2843, 59.7381



64.1830, 57.9207, 102.4047



44.9857, 39.8854, 59.9742



10.4469, 10.4886, 13.3914



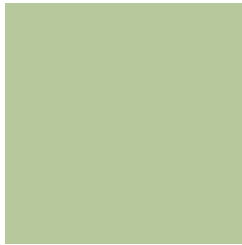
8.7780, 3.7595, 35.0074



0.4968, 0.2198, 1.6614

Previews

White Background



This preview shows how the XYZ color 46.2685, 53.8102, 39.8461 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 46.2685, 53.8102, 39.8461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

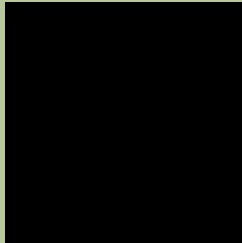
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

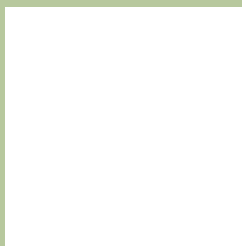
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2685, 53.8102, 39.8461

Background



This preview shows how black text looks on a background with the XYZ color 46.2685, 53.8102, 39.8461.



This preview shows how white text looks on a background with the XYZ color 46.2685, 53.8102,

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

46.2685, 53.8102, 39.8461

Protanopia

50.3563, 53.5948, 38.2626

Deuteranopia

54.6445, 53.5032, 40.7048



Tritanopia

51.6903, 53.6411, 67.3039

Trichromacy



Original Color

46.2685, 53.8102, 39.8461

Protanomaly

48.9450, 53.8522, 38.8252

Deuteranomaly

51.1833, 53.3201, 40.3950

Tritanomaly

49.4188, 53.7188, 55.9082

Monochromacy



Original Color

46.2685, 53.8102, 39.8461

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8212, 52.3627, 49.7060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2685, 53.8102, 39.8461 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, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(183, 200, 157)  
}
```

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, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 200, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.2685, 53.8102, 39.8461 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, 200, 157) }
```


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

```
.border{ border-color:rgb(183, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(183, 200,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2685, 53.8102, 39.8461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 200, 157) }
```

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

```
.background{ background-color: rgb(183,  
200, 157) }
```

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