

Converting Colors

XYZ(46.9217, 53.7445, 40.0685)

Have a look what the booklet for
XYZ(46.9217, 53.7445, 40.0685)
contains.

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Color

**XYZ(47.0885, 53.8803,
40.2659)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC79E
RGB	187, 199, 158
RGB Percent	73%, 78%, 62%
CMY	0.2667, 0.2196, 0.3804
CMYK	0.06, 0.00, 0.21, 0.22
HSL	78°, 27%, 70%
HSV	78°, 21%, 78%
XYZ	47.0885, 53.8803, 40.2659
YIQ	190.7380, 6.0090, -15.2950

Conversions

Conversions Part 2

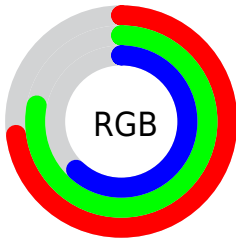
Format	Color
RYB	158, 199, 170
Decimal	12306334
CIELab	78.39, -11.23, 19.19
CIELCh	78, 22.231, 120.329
Yxy	53.8803, 0.3334, 0.3815
Android (android.graphics.Color)	4290496414 (0xFFBBC79E)
YUV	190.7380, -16.1398, -3.2782
Hunter-Lab	73.4032, -13.9470, 18.8582

Details

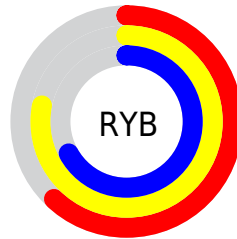
The XYZ color **47.0885, 53.8803, 40.2659** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.1154, 37.1248, 59.1400**, and the grayscale version is **49.4588, 52.0345, 56.6656**.

A 20% lighter version of the original color is **84.7324, 95.3788, 76.8949**, and **22.5584, 26.3597, 17.5347** is the 20% darker color. If you saturate the color by 10%, you get **44.1163, 52.5319, 31.8977**, and if you desaturate by 10%, it is **50.3988, 55.3742, 50.1001**.

Distribution



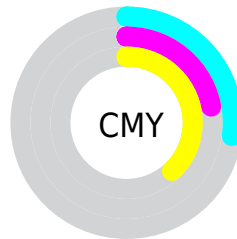
- Red (73%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)



- Cyan (27%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0885, 53.8803, 40.2659 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 47.0885, 53.8803, 40.2659 by changing the saturation by 10% instead.

■ 47.0885, 53.8803,
40.2659

■ 47.0885, 53.8803,
40.2659

365.8107,
401.6534, 362.8284

■ 33.3139, 38.5060,
27.4306

■ 85.0636, 95.8985,
76.8098

■ 22.5274, 26.3756,
17.6616

■ 109.9949,
123.3111, 101.3554

■ 14.3637, 17.1049,
10.5404

139.3757,
155.5053, 130.6415

■ 8.4574, 10.3093,
5.6484

173.5714,
192.8654, 165.0866

■ 4.4433, 5.6045,
2.5672

212.9474,
235.7759, 205.1093

■ 1.9558, 2.6061,
0.8754

257.8690,

■ 0.6090, 0.9297,

284.6211, 251.1282

0.0000

308.7017,
339.7855, 303.5617

■ 0.0000, 0.0000,
0.0000

■ 47.0885, 53.8803,
40.2659

■ 47.0885, 53.8803,
40.2659

■ 44.1163, 52.5319,
31.8977

■ 50.3988, 55.3742,
50.1001

■ 41.4640, 51.3162,
24.9218

■ 54.0561, 57.0119,
61.4622

■ 39.1178, 50.2295,
19.2633

■ 58.0740, 58.8007,
74.4151

■ 37.0612, 49.2651,
14.8389

■ 62.4644, 60.7454,
89.0169

■ 35.2759, 48.4156,
11.5558

■ 66.8324, 62.6881,
103.1853

■ 33.7411, 47.6725,
9.3082

■ 68.5859, 63.5921,
103.2674

■ 32.4322, 47.0260,
7.9702

■ 70.4010, 64.5278,
103.3523

■ 31.3654, 46.4893,
7.3202

■ 72.2784, 65.4957,
103.4402

■ 74.2187, 66.4959,
103.5310

Harmonies

Analogous

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



51.1634, 53.8803, 37.7599



47.0885, 53.8803, 40.2659



44.2585, 53.8803, 47.5522

Triad

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



47.0885, 53.8803, 40.2659



47.1675, 53.8803, 82.1331



60.0731, 53.8803, 58.5284

Complementary

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



47.0885, 53.8803, 40.2659



39.1154, 37.1248, 59.1400

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.



58.8573, 53.8803, 71.3902



47.0885, 53.8803, 40.2659



51.2599, 53.8803, 86.1410

Square

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



47.0885, 53.8803, 40.2659



44.3023, 53.8803, 71.6633



55.5686, 53.8803, 81.9603



58.8044, 53.8803, 47.3445

Rectangle

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



47.0885, 53.8803, 40.2659



43.3741, 53.8803, 54.7198



55.5686, 53.8803, 81.9603



59.9406, 53.8803, 62.7985

Sweetspot

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



47.0899, 53.8827, 40.2671



91.0548, 98.2138, 96.3627



44.0297, 43.2184, 38.3699



19.3994, 20.9814, 20.3466



0.0000, 0.0000, 0.0000



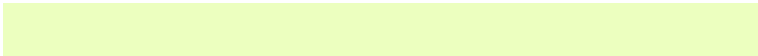
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0899, 53.8827, 40.2671



79.8953, 93.1831, 63.2098



42.5085, 51.5209, 40.0527



11.2098, 12.2551, 11.3374



20.2584, 29.9389, 4.7111



1.0289, 1.4535, 0.2263

Inverse Universe

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



39.1154, 37.1248, 59.1400



63.2892, 58.2798, 102.5212



43.8020, 39.5408, 59.3594



10.3436, 10.4354, 13.3866



7.8374, 3.2746, 34.9633



0.4447, 0.1930, 1.6590

Previews

White Background



This preview shows how the XYZ color 47.0885, 53.8803, 40.2659 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 47.0885, 53.8803, 40.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

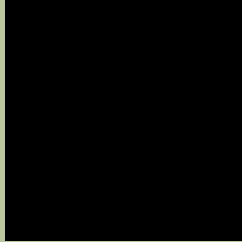
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0885, 53.8803, 40.2659

Background



This preview shows how black text looks on a background with the XYZ color 47.0885, 53.8803, 40.2659.



This preview shows how white text looks on a background with the XYZ color 47.0885, 53.8803,

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

47.0885, 53.8803, 40.2659

Protanopia

50.4400, 53.6283, 38.7032

Deuteranopia

54.7324, 53.5383, 41.1674



Tritanopia

52.3603, 53.6736, 66.6318

Trichromacy



Original Color

47.0885, 53.8803, 40.2659

Protanomaly

49.0690, 53.5726, 39.2068

Deuteranomaly

51.8399, 53.6486, 40.8807

Tritanomaly

50.1863, 53.7807, 55.8797

Monochromacy



Original Color

47.0885, 53.8803, 40.2659

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.6637, 52.7854, 50.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0885, 53.8803, 40.2659 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(187, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(187, 199, 158)  
}
```

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(187, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 199, 158) }
```

Border

The CSS property to change the border of an element to XYZ 47.0885, 53.8803, 40.2659 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(187, 199, 158) }
```


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

```
.border{ border-color:rgb(187, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(187, 199,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0885, 53.8803, 40.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 199, 158) }
```

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

```
.background{ background-color: rgb(187,  
199, 158) }
```

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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