

Converting Colors

XYZ(47.6382, 53.6498, 40.8590)

Have a look what the booklet for
XYZ(47.6382, 53.6498, 40.8590)
contains.

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Color

**XYZ(47.6873, 53.8385,
40.6794)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC69F
RGB	190, 198, 159
RGB Percent	75%, 78%, 62%
CMY	0.2549, 0.2235, 0.3765
CMYK	0.04, 0.00, 0.20, 0.22
HSL	72°, 25%, 70%
HSV	72°, 20%, 78%
XYZ	47.6873, 53.8385, 40.6794
YIQ	191.1620, 7.7510, -13.8250

Conversions

Conversions Part 2

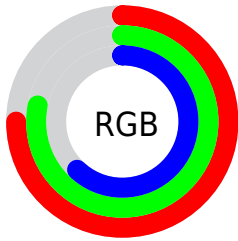
Format	Color
RYB	159, 198, 167
Decimal	12502687
CIELab	78.37, -9.45, 18.66
CIELCh	78, 20.914, 116.865
Yxy	53.8385, 0.3353, 0.3786
Android (android.graphics.Color)	4290692767 (0xFFBEC69F)
YUV	191.1620, -15.8559, -1.0191
Hunter-Lab	73.3747, -12.3960, 18.4916

Details

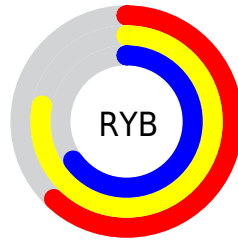
The XYZ color **47.6873, 53.8385, 40.6794** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.5296, 37.0905, 58.5574**, and the grayscale version is **49.7024, 52.2908, 56.9447**.

A 20% lighter version of the original color is **86.2554, 96.1492, 77.6308**, and **22.7804, 26.2423, 17.7745** is the 20% darker color. If you saturate the color by 10%, you get **45.1046, 52.6916, 32.2965**, and if you desaturate by 10%, it is **50.5765, 55.1149, 50.5156**.

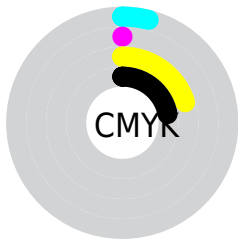
Distribution



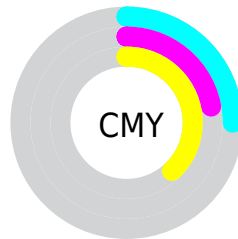
- Red (75%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)



- Cyan (25%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6873, 53.8385, 40.6794 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 47.6873, 53.8385, 40.6794 by changing the saturation by 10% instead.

■ 47.6873, 53.8385,
40.6794

■ 47.6873, 53.8385,
40.6794

368.1546,
401.4939, 364.6158

■ 33.7895, 38.4726,
27.7508

■ 85.9512, 95.8371,
77.4453

■ 22.8941, 26.3497,
17.9005

■ 111.0480,
123.2385, 102.1198

■ 14.6356, 17.0854,
10.7099

140.6085,
155.4205, 131.5467

■ 8.6487, 10.2954,
5.7604

174.9981,
192.7676, 166.1445

■ 4.5680, 5.5953,
2.6335

214.5822,
235.6641, 206.3317

■ 2.0282, 2.6006,
0.9097

259.7261,

■ 0.6497, 0.9270,

284.4943, 252.5270

0.0000

310.7951,
339.6428, 305.1488

■ 0.0000, 0.0000,
0.0000

■ 47.6873, 53.8385,
40.6794

■ 47.6873, 53.8385,
40.6794

■ 45.1046, 52.6916,
32.2965

■ 50.5765, 55.1149,
50.5156

■ 42.8107, 51.6617,
25.2946

■ 53.7802, 56.5186,
61.8660

■ 40.7928, 50.7453,
19.6002


■ 57.3117, 58.0567,
74.7920


■ 39.0350, 49.9362,
15.1320


■ 61.1820, 59.7336,
89.3510


■ 37.5200, 49.2274,
11.7992


■ 64.9141, 61.3587,
103.0298


 36.2279, 48.6109,
9.4987


 66.0881, 61.9639,
103.0848


 35.1354, 48.0773,
8.1086

 67.2918, 62.5844,
103.1411

 34.1995, 47.6095,
7.4042

 68.5252, 63.2203,
103.1988

 34.1722, 47.5958,
7.3858

 69.7887, 63.8717,
103.2579

Harmonies

Analogous

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



51.6047, 53.8385, 38.8226



47.6873, 53.8385, 40.6794



44.8428, 53.8385, 47.1125

Triad

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



47.6873, 53.8385, 40.6794



46.9775, 53.8385, 79.6608



59.4647, 53.8385, 59.8659

Complementary

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



47.6873, 53.8385, 40.6794



38.5296, 37.0905, 58.5574

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.



58.0701, 53.8385, 71.8658



47.6873, 53.8385, 40.6794



50.7414, 53.8385, 84.2132

Square

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



47.6873, 53.8385, 40.6794



44.4487, 53.8385, 69.4409



54.8222, 53.8385, 81.1871



58.5410, 53.8385, 48.9878

Rectangle

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



47.6873, 53.8385, 40.6794



43.8637, 53.8385, 53.6326



54.8222, 53.8385, 81.1871



59.2497, 53.8385, 63.9094

Sweetspot

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



47.6887, 53.8409, 40.6806



91.5379, 98.4628, 96.3853



43.3307, 42.0748, 38.6392



19.5138, 21.0404, 20.3520



0.0000, 0.0000, 0.0000



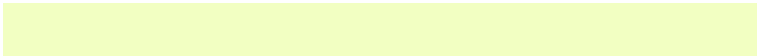
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6887, 53.8409, 40.6806



82.2445, 94.3614, 64.8001



43.1832, 51.5182, 40.4697



11.3025, 12.3029, 11.3417



22.2940, 30.9883, 4.8063



1.1110, 1.4958, 0.2302

Inverse Universe

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



38.5296, 37.0905, 58.5574



62.8508, 58.8879, 102.6617



42.9157, 39.3515, 58.7627



10.2567, 10.3906, 13.3825



7.2719, 2.9830, 34.9369



0.4056, 0.1728, 1.6571

Previews

White Background



This preview shows how the XYZ color 47.6873, 53.8385, 40.6794 looks on a white background.

Color Contrast Check

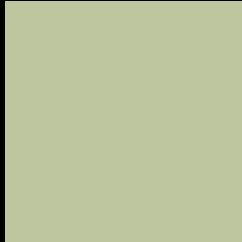
Large Text (above 18pt) WCAG AA × Fail

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 47.6873, 53.8385, 40.6794 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 47.6873, 53.8385, 40.6794

Background



This preview shows how black text looks on a background with the XYZ color 47.6873, 53.8385, 40.6794.



This preview shows how white text looks on a background with the XYZ color 47.6873, 53.8385,

40.6794.

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

47.6873, 53.8385, 40.6794

Protanopia

50.3326, 53.5534, 39.5823

Deuteranopia

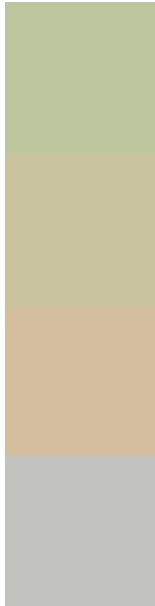
54.7324, 53.5383, 41.1674



Tritanopia

52.9192, 53.6369, 66.5953

Trichromacy



Original Color

47.6873, 53.8385, 40.6794

Protanomaly

49.5061, 53.7782, 40.1187

Deuteranomaly

51.9100, 53.3620, 40.8217

Tritanomaly

50.8342, 53.7706, 56.4147

Monochromacy



Original Color

47.6873, 53.8385, 40.6794

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9143, 52.9146, 50.2833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6873, 53.8385, 40.6794 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(190, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(190, 198, 159)  
}
```

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(190, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 198, 159) }
```

Border

The CSS property to change the border of an element to XYZ 47.6873, 53.8385, 40.6794 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(190, 198, 159) }
```


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

```
.border{ border-color:rgb(190, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 198, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 198, 159); box-shadow:4px 4px 4px 4px rgb(190, 198, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6873, 53.8385, 40.6794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 198, 159) }
```

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

```
.background{ background-color: rgb(190,  
198, 159) }
```

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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