

Converting Colors

XYZ(47.6698, 54.6508, 40.0430)

Have a look what the booklet for
XYZ(47.6698, 54.6508, 40.0430)
contains.

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Color

**XYZ(47.4791, 54.4342,
39.9027)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC89D
RGB	188, 200, 157
RGB Percent	74%, 78%, 62%
CMY	0.2627, 0.2157, 0.3843
CMYK	0.06, 0.00, 0.22, 0.22
HSL	77°, 28%, 70%
HSV	77°, 22%, 78%
XYZ	47.4791, 54.4342, 39.9027
YIQ	191.5100, 6.6510, -15.9170

Conversions

Conversions Part 2

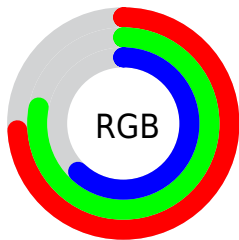
Format	Color
RYB	157, 200, 169
Decimal	12372125
CIELab	78.71, -11.52, 20.18
CIElCh	79, 23.236, 119.734
Yxy	54.4342, 0.3348, 0.3838
Android (android.graphics.Color)	4290562205 (0xFFBCC89D)
YUV	191.5100, -17.0134, -3.0783
Hunter-Lab	73.7795, -14.2447, 19.5795

Details

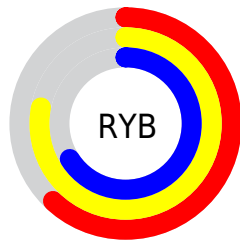
The XYZ color **47.4791, 54.4342, 39.9027** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8466, 36.7205, 59.6868**, and the grayscale version is **49.9118, 52.5111, 57.1845**.

A 20% lighter version of the original color is **84.9519, 95.5066, 76.2445**, and **22.6602, 26.6460, 17.3135** is the 20% darker color. If you saturate the color by 10%, you get **44.5610, 53.1129, 31.5706**, and if you desaturate by 10%, it is **50.7328, 55.8995, 49.7119**.

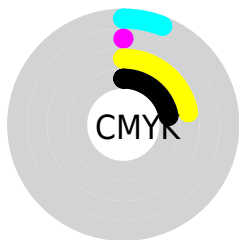
Distribution



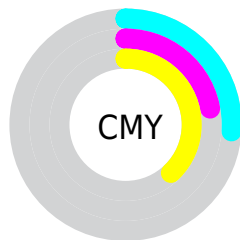
- Red (74%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (66%)



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



- Cyan (26%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4791, 54.4342, 39.9027 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 47.4791, 54.4342, 39.9027 by changing the saturation by 10% instead.

■ 47.4791, 54.4342,
39.9027

■ 47.4791, 54.4342,
39.9027

367.3407,
403.7636, 361.2532

■ 33.6241, 38.9489,
27.1495

■ 85.6427, 96.7115,
76.2508

■ 22.7665, 26.7200,
17.4521

■ 110.6821,
124.2722, 100.6827

■ 14.5409, 17.3630,
10.3920

140.1802,
156.6270, 129.8447

■ 8.5820, 10.4937,
5.5506

174.5025,
194.1600, 164.1552

■ 4.5245, 5.7275,
2.5095

214.0144,
237.2558, 204.0327

■ 2.0029, 2.6801,
0.8452

259.0811,

■ 0.6356, 0.9671,

286.2988, 249.8959

0.0000

310.0681,
341.6732, 302.1632

■ 0.0000, 0.0000,
0.0000

■ 47.4791, 54.4342,
39.9027

■ 47.4791, 54.4342,
39.9027

■ 44.5610, 53.1129,
31.5706

■ 50.7328, 55.8995,
49.7119

■ 41.9601, 51.9228,
24.6404

■ 54.3312, 57.5070,
61.0613

■ 39.6625, 50.8600,
19.0359

■ 58.2880, 59.2643,
74.0148

■ 37.6514, 49.9178,
14.6718

■ 62.6152, 61.1759,
88.6315

■ 35.9082, 49.0886,
11.4533

■ 66.9994, 63.1169,
103.2593

■ 34.4115, 48.3638,
9.2716

■ 68.6763, 63.9814,
103.3377

■ 33.1363, 47.7332,
7.9972

■ 70.4098, 64.8750,
103.4189

■ 32.1875, 47.2558,
7.4248

■ 72.2004, 65.7981,
103.5027

■ 74.0486, 66.7509,
103.5892

Harmonies

Analogous

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



51.7792, 54.4342, 37.3985



47.4791, 54.4342, 39.9027



44.4769, 54.4342, 47.4102

Triad

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



47.4791, 54.4342, 39.9027



47.4119, 54.4342, 83.9170



61.0846, 54.4342, 59.3873

Complementary

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



47.4791, 54.4342, 39.9027



38.8466, 36.7205, 59.6868

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.



59.7494, 54.4342, 72.9581



47.4791, 54.4342, 39.9027



51.6970, 54.4342, 88.3407

Square

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



47.4791, 54.4342, 39.9027



44.4398, 54.4342, 72.7242



56.2444, 54.4342, 84.0655



59.7946, 54.4342, 47.5860

Rectangle

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



47.4791, 54.4342, 39.9027



43.5230, 54.4342, 54.8737



56.2444, 54.4342, 84.0655



60.9268, 54.4342, 63.8942

Sweetspot

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



47.4805, 54.4366, 39.9039



91.1298, 98.2524, 96.3662



43.9961, 42.8932, 37.8594



19.4171, 20.9906, 20.3474



0.0000, 0.0000, 0.0000



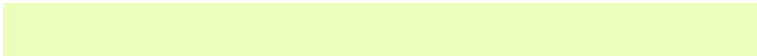
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4805, 54.4366, 39.9039



79.6686, 93.0984, 61.7444



42.6852, 51.9645, 39.6795



11.2241, 12.2625, 11.3381



20.5556, 30.0921, 4.7250



1.0411, 1.4598, 0.2269

Inverse Universe

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



38.8466, 36.7205, 59.6868



61.9732, 56.7815, 102.3013



43.7110, 39.2282, 59.9145



10.3300, 10.4284, 13.3859



7.7356, 3.2221, 34.9586



0.4386, 0.1899, 1.6587

Previews

White Background



This preview shows how the XYZ color 47.4791, 54.4342, 39.9027 looks on a white background.

Color Contrast Check

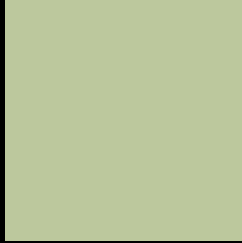
Large Text (above 18pt) WCAG AA × Fail

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 47.4791, 54.4342, 39.9027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

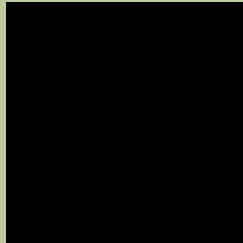
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

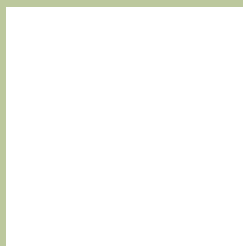
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4791, 54.4342, 39.9027

Background



This preview shows how black text looks on a background with the XYZ color 47.4791, 54.4342, 39.9027.



This preview shows how white text looks on a background with the XYZ color 47.4791, 54.4342,

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

47.4791, 54.4342, 39.9027

Protanopia

50.8566, 54.1821, 38.3496

Deuteranopia

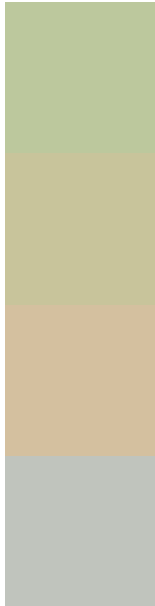
55.4795, 54.2475, 40.8044



Tritanopia

52.9608, 54.2961, 67.3634

Trichromacy



Original Color

47.4791, 54.4342, 39.9027

Protanomaly

49.4757, 54.1258, 38.8500

Deuteranomaly

52.2590, 54.1995, 40.5081

Tritanomaly

50.6635, 54.3604, 55.9665

Monochromacy



Original Color

47.4791, 54.4342, 39.9027

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.1376, 53.3613, 50.3577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4791, 54.4342, 39.9027 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(188, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 200, 157) }
```

Border

The CSS property to change the border of an element to XYZ 47.4791, 54.4342, 39.9027 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(188, 200, 157) }
```


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

```
.border{ border-color:rgb(188, 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(188, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(188, 200,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4791, 54.4342, 39.9027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 200, 157) }
```

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

```
.background{ background-color: rgb(188,  
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](#).

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