

Converting Colors

XYZ(49.6339, 57.6901, 41.9491)

Have a look what the booklet for
XYZ(49.6339, 57.6901, 41.9491)
contains.

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Color

**XYZ(49.6517, 57.6278,
41.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	BECEA0
RGB	190, 206, 160
RGB Percent	75%, 81%, 63%
CMY	0.2549, 0.1921, 0.3725
CMYK	0.08, 0.00, 0.22, 0.19
HSL	81°, 32%, 72%
HSV	81°, 22%, 81%
XYZ	49.6517, 57.6278, 41.7641
YIQ	195.9720, 5.2300, -17.6980

Conversions

Conversions Part 2

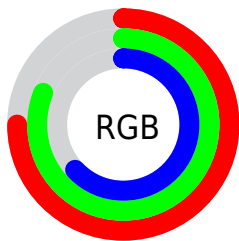
Format	Color
RYB	160, 206, 176
Decimal	12504736
CIELab	80.53, -13.40, 21.12
CIELCh	81, 25.009, 122.388
Yxy	57.6278, 0.3331, 0.3867
Android (android.graphics.Color)	4290694816 (0xFFBECEA0)
YUV	195.9720, -17.7342, -5.2374
Hunter-Lab	75.9130, -16.0979, 20.5202

Details

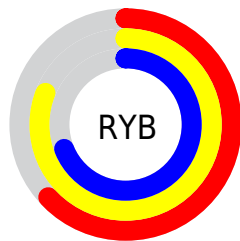
The XYZ color **49.6517, 57.6278, 41.7641** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.6181, 38.8295, 63.6969**, and the grayscale version is **52.5546, 55.2916, 60.2125**.

A 20% lighter version of the original color is **86.3835, 96.2005, 78.3056**, and **24.0884, 28.7734, 18.4716** is the 20% darker color. If you saturate the color by 10%, you get **46.2511, 56.0677, 32.9646**, and if you desaturate by 10%, it is **53.4421, 59.3578, 52.1430**.

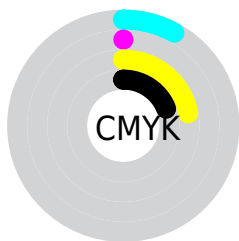
Distribution



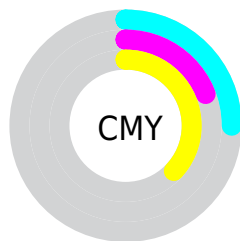
- Red (75%)
- Green (81%)
- Blue (63%)



- Red (63%)
- Yellow (81%)
- Blue (69%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (19%)



- Cyan (25%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6517, 57.6278, 41.7641 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 49.6517, 57.6278, 41.7641 by changing the saturation by 10% instead.

■ 49.6517, 57.6278,
41.7641

■ 49.6517, 57.6278,
41.7641

375.7769,
415.7976, 369.2749

■ 35.3534, 41.5095,
28.5924

■ 88.8535, 101.3807,
79.1087

■ 24.1030, 28.7174,
18.5298

■ 114.4877,
129.7840, 104.1187

■ 15.5352, 18.8671,
11.1577

144.6313,
163.0511, 133.9119

■ 9.2846, 11.5743,
6.0575

179.6496,
201.5665, 168.9069

■ 4.9859, 6.4545,
2.8107

219.9079,
245.7144, 209.5221

■ 2.2737, 3.1234,
0.9988

265.7717,

■ 0.7811, 1.1965,

295.8793, 256.1762

0.0000

317.6062,
352.4456, 309.2876

■ 0.0000, 0.0588,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6517, 57.6278,
41.7641

■ 49.6517, 57.6278,
41.7641

■ 46.2511, 56.0677,
32.9646

■ 53.4421, 59.3578,
52.1430

■ 43.2197, 54.6634,
25.6633

■ 57.6325, 61.2562,
64.1696

■ 40.5418, 53.4105,
19.7774

■ 62.2387, 63.3313,
77.9130

■ 38.1986, 52.3011,
15.2146

■ 67.2738, 65.5886,
93.4369

■ 36.1693, 51.3268,
11.8716

■ 71.4346, 67.5069,
103.8729

■ 34.4297, 50.4779,
9.6298

■ 73.7271, 68.6888,
103.9802

■ 32.9517, 49.7428,
8.3469

■ 76.1147, 69.9196,
104.0919

■ 31.9579, 49.2411,
7.8201

■ 78.5984, 71.2000,
104.2081

■ 81.1792, 72.5305,
104.3289

Harmonies

Analogous

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



54.3630, 57.6278, 38.5166



49.6517, 57.6278, 41.7641



46.4798, 57.6278, 50.5289

Triad

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



49.6517, 57.6278, 41.7641



50.3223, 57.6278, 91.2960



65.2458, 57.6278, 61.5758

Complementary

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



49.6517, 57.6278, 41.7641



41.6181, 38.8295, 63.6969

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.



63.9994, 57.6278, 76.7909



49.6517, 57.6278, 41.7641



55.1860, 57.6278, 95.4628

Square

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



49.6517, 57.6278, 41.7641



46.8496, 57.6278, 79.1500



60.2359, 57.6278, 89.7911



63.5440, 57.6278, 48.7826

Rectangle

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



49.6517, 57.6278, 41.7641



45.5557, 57.6278, 59.0741



60.2359, 57.6278, 89.7911



65.1577, 57.6278, 66.5688

Sweetspot

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



49.6532, 57.6303, 41.7653



90.0601, 97.7444, 94.3556



47.1958, 46.4516, 39.7372



19.1878, 20.8811, 19.9414



0.0000, 0.0000, 0.0000



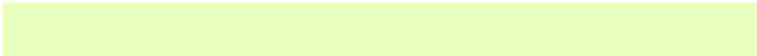
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6532, 57.6303, 41.7653



77.6093, 92.0684, 60.2186



44.4959, 54.9716, 41.5240



11.7603, 12.8938, 11.9484



19.7858, 30.3752, 4.8202



1.1006, 1.6082, 0.2524

Inverse Universe

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



41.6181, 38.8295, 63.6969



62.2480, 56.1177, 102.1587



47.0901, 41.6504, 63.9530



10.9637, 11.0306, 14.1216



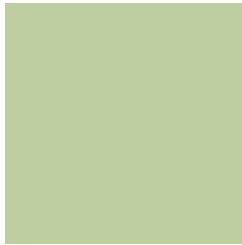
8.5854, 3.6335, 36.2051



0.5244, 0.2295, 1.8716

Previews

White Background



This preview shows how the XYZ color 49.6517, 57.6278, 41.7641 looks on a white background.

Color Contrast Check

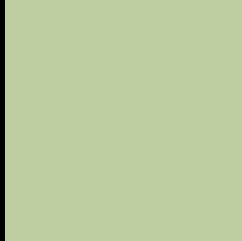
Large Text (above 18pt) WCAG AA × Fail

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 49.6517, 57.6278, 41.7641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

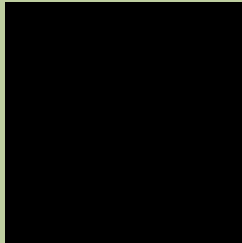
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6517, 57.6278, 41.7641

Background



This preview shows how black text looks on a background with the XYZ color 49.6517, 57.6278, 41.7641.



This preview shows how white text looks on a background with the XYZ color 49.6517, 57.6278,

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

49.6517, 57.6278, 41.7641

Protanopia

53.6606, 57.2782, 40.1259

Deuteranopia

58.7392, 57.4994, 42.6529



Tritanopia

55.8497, 57.7077, 71.8134

Trichromacy



Original Color

49.6517, 57.6278, 41.7641

Protanomaly

52.1939, 57.5471, 40.7045

Deuteranomaly

55.1031, 57.2929, 42.3368

Tritanomaly

53.3638, 57.7382, 59.3710

Monochromacy



Original Color

49.6517, 57.6278, 41.7641

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4497, 56.1968, 52.9351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6517, 57.6278, 41.7641 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, 206, 160)` looks like.

```
.text, #text, p{  
    color:rgb(190, 206, 160)  
}
```

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, 206, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 206, 160) }
```

Border

The CSS property to change the border of an element to XYZ 49.6517, 57.6278, 41.7641 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, 206, 160) }
```


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

```
.border{ border-color:rgb(190, 206, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 206, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 206, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 206, 160);  
box-shadow:4px 4px 4px 4px rgb(190, 206,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6517, 57.6278, 41.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 206, 160) }
```

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

```
.background{ background-color: rgb(190,  
206, 160) }
```

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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