

Converting Colors

XYZ(43.7980, 41.5769, 63.6695)

Have a look what the booklet for
XYZ(43.7980, 41.5769, 63.6695)
contains.

| | |
|--|----|
| XYZ(43.7117, 41.5040, 63.4648) | 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(43.7117, 41.5040,
63.4648)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B5A6CD |
| RGB | 181, 166, 205 |
| RGB Percent | 71%, 65%, 80% |
| CMY | 0.2902, 0.3490, 0.1961 |
| CMYK | 0.12, 0.19, 0.00, 0.20 |
| HSL | 263°, 28%, 73% |
| HSV | 263°, 19%, 80% |
| XYZ | 43.7117, 41.5040, 63.4648 |
| YIQ | 174.9310, -3.5790, 15.3090 |

Conversions

Conversions Part 2

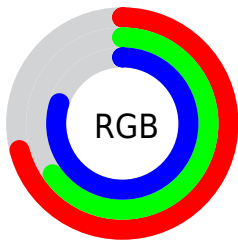
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 181, 166, 205 |
| Decimal | 11904717 |
| CIELab | 70.53, 12.98, -17.88 |
| CIELCh | 71, 22.094, 305.976 |
| Yxy | 41.5040, 0.2940, 0.2791 |
| Android (android.graphics.Color) | 4290094797 (0xFFB5A6CD) |
| YUV | 174.9310, 14.8240, 5.3225 |
| Hunter-Lab | 64.4236, 8.3718, -13.3111 |

Details

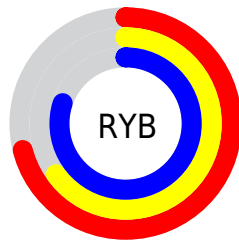
The XYZ color **43.7117, 41.5040, 63.4648** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.9510, 57.3640, 44.5181**, and the grayscale version is **40.6401, 42.7565, 46.5618**.

A 20% lighter version of the original color is **78.8315, 76.9374, 105.3033**, and **20.5053, 18.8582, 31.8374** is the 20% darker color. If you saturate the color by 10%, you get **37.4528, 33.1802, 62.1887**, and if you desaturate by 10%, it is **50.8351, 51.1573, 64.9533**.

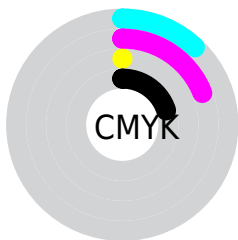
Distribution



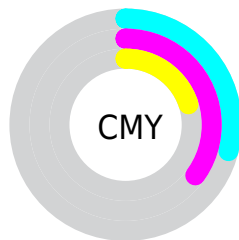
- Red (71%)
- Green (65%)
- Blue (80%)



- Red (71%)
- Yellow (65%)
- Blue (80%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7117, 41.5040, 63.4648 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 43.7117, 41.5040, 63.4648 by changing the saturation by 10% instead.

■ 43.7117, 41.5040,
63.4648

■ 43.7117, 41.5040,
63.4648

352.4026,
352.4227, 455.4087

■ 30.6409, 28.7131,
45.7739

■ 80.0328, 77.4484,
111.4318

■ 20.4760, 18.8639,
31.7201

■ 104.0137,
101.3707, 142.5451

■ 12.8518, 11.5720,
20.8847

132.3621,
129.7722, 178.9695

■ 7.4029, 6.4529,
12.8493

165.4432,
163.0374, 221.1237

■ 3.7639, 3.1224,
7.1954

203.6225,
201.5507, 269.4262

■ 1.5694, 1.1960,
3.5043

247.2653,

■ 0.3724, 0.0584,

245.6964, 324.2955

1.3575

296.7368,
295.8589, 386.1501

■ 0.0000, 0.0000,
0.1083

■ 0.0000, 0.0000,
0.0000

■ 43.7117, 41.5040,
63.4648

■ 43.7117, 41.5040,
63.4648

■ 37.4528, 33.1802,
62.1887

■ 50.8351, 51.1573,
64.9533

■ 32.0194, 26.1210,
61.1125

■ 58.8520, 62.1909,
66.6604

■ 27.3750, 20.2635,
60.2267

■ 67.7952, 74.6592,
68.5957

■ 23.4787, 15.5375,
59.5198

■ 77.6940, 88.6120,
70.7672

■ 20.2856, 11.8649,
58.9792

■ 84.1164, 95.1756,
71.6956

■ 17.7451, 9.1576,
58.5906

■ 88.0196, 97.1878,
71.8782

■ 15.7989, 7.3120,
58.3369

■ 14.3557, 6.1600,
58.1906

■ 14.2307, 6.0632,
58.1785

Harmonies

Analogous

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



40.1827, 41.5040, 68.2458



43.7117, 41.5040, 63.4648



46.2045, 41.5040, 53.8680

Triad

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



43.7117, 41.5040, 63.4648



42.3720, 41.5040, 29.2207



32.8784, 41.5040, 47.3134

Complementary

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



43.7117, 41.5040, 63.4648



49.9510, 57.3640, 44.5181

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.



33.3851, 41.5040, 37.4994



43.7117, 41.5040, 63.4648



38.7229, 41.5040, 28.0185

Square

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



43.7117, 41.5040, 63.4648



45.3982, 41.5040, 34.3924



35.4716, 41.5040, 30.8117



34.0424, 41.5040, 58.0415

Rectangle

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



43.7117, 41.5040, 63.4648



46.8632, 41.5040, 46.6146



35.4716, 41.5040, 30.8117



32.8600, 41.5040, 43.7963

Sweetspot

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



43.7130, 41.5057, 63.4657



86.9821, 88.8814, 107.1791



45.1711, 49.3648, 64.9058



18.4369, 18.7762, 22.9024



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.



43.7130, 41.5057, 63.4657



67.0540, 61.9034, 103.0222



48.5967, 44.0234, 63.6943



11.0029, 11.0508, 14.1235



8.9578, 3.8254, 36.2225



0.5462, 0.2407, 1.8726

Inverse Universe

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



48.1087, 43.9711, 54.6689



75.6877, 66.7494, 85.5700



45.4124, 55.0243, 44.3057



11.4976, 11.3278, 13.1549



18.0721, 9.0394, 13.3641



0.9687, 0.4809, 0.8810

Previews

White Background



This preview shows how the XYZ color 43.7117, 41.5040, 63.4648 looks on a white background.

Color Contrast Check

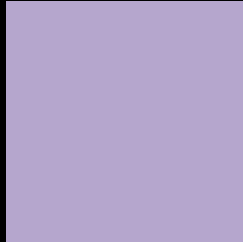
Large Text (above 18pt) WCAG AA × Fail

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 43.7117, 41.5040, 63.4648 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 43.7117, 41.5040, 63.4648

Background



This preview shows how black text looks on a background with the XYZ color 43.7117, 41.5040, 63.4648.



This preview shows how white text looks on a background with the XYZ color 43.7117, 41.5040,

63.4648.

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

43.7117, 41.5040, 63.4648

Protanopia

41.2579, 41.5724, 65.5243

Deuteranopia

42.5426, 41.7342, 62.9400



Tritanopia

41.0534, 41.5155, 50.6493

Trichromacy



Original Color

43.7117, 41.5040, 63.4648

Protanomaly

42.0280, 41.4270, 64.8126

Deuteranomaly

43.0332, 41.7120, 62.9099

Tritanomaly

41.9520, 41.6025, 55.1092

Monochromacy



Original Color

43.7117, 41.5040, 63.4648

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.7469, 42.3973, 52.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7117, 41.5040, 63.4648 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(181, 166, 205)` looks like.

```
.text, #text, p{  
    color:rgb(181, 166, 205)  
}
```

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(181, 166, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 166, 205) }
```

Border

The CSS property to change the border of an element to XYZ 43.7117, 41.5040, 63.4648 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(181, 166, 205) }
```


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

```
.border{ border-color:rgb(181, 166, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 166, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 166, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 166, 205);  
box-shadow:4px 4px 4px 4px rgb(181, 166,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7117, 41.5040, 63.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 166, 205) }
```

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

```
.background{ background-color: rgb(181,  
166, 205) }
```

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