

Converting Colors

XYZ(48.6614, 40.1416, 67.4740)

Have a look what the booklet for
XYZ(48.6614, 40.1416, 67.4740)
contains.

XYZ(48.6824, 40.1521, 67.4716)	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(48.6824, 40.1521,
67.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	CF97D4
RGB	207, 151, 212
RGB Percent	81%, 59%, 83%
CMY	0.1882, 0.4078, 0.1686
CMYK	0.02, 0.29, 0.00, 0.17
HSL	295°, 41%, 71%
HSV	295°, 29%, 83%
XYZ	48.6824, 40.1521, 67.4716
YIQ	174.6980, 13.7950, 30.8430

Conversions

Conversions Part 2

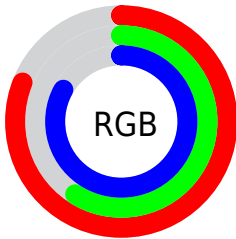
Format	Color
R_{YB}	207, 151, 212
Decimal	13604820
CIE _{Lab}	69.58, 31.18, -22.96
CIE _{LCh}	70, 38.723, 323.631
Yxy	40.1521, 0.3115, 0.2569
Android (android.graphics.Color)	4291794900 (0xFFCF97D4)
YUV	174.6980, 18.3899, 28.3289
Hunter-Lab	63.3657, 26.2475, -18.7758

Details

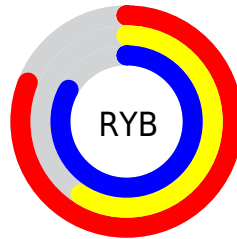
The XYZ color **48.6824, 40.1521, 67.4716** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.8411, 56.3902, 37.9066**, and the grayscale version is **40.4957, 42.6046, 46.3964**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **23.4965, 18.0334, 34.1407** is the 20% darker color. If you saturate the color by 10%, you get **45.0901, 33.6835, 66.4130**, and if you desaturate by 10%, it is **52.8960, 47.8538, 68.7367**.

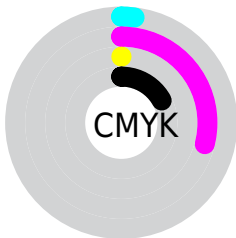
Distribution



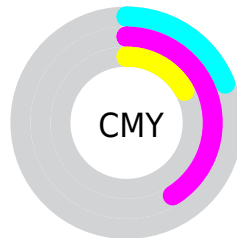
- Red (81%)
- Green (59%)
- Blue (83%)



- Red (81%)
- Yellow (59%)
- Blue (83%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (17%)



- Cyan (19%)
- Magenta (41%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6824, 40.1521, 67.4716 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 48.6824, 40.1521, 67.4716 by changing the saturation by 10% instead.

■ 48.6824, 40.1521,
67.4716

■ 48.6824, 40.1521,
67.4716

372.0284,
346.7642, 470.1687

■ 34.5811, 27.6572,
49.0040

■ 87.4231, 75.3951,
117.2430

■ 23.5054, 18.0674,
34.2570

■ 112.7933, 98.9119,
149.3838

■ 15.0899, 10.9984,
22.8122

142.6504,
126.8714, 186.9194

■ 8.9692, 6.0657,
14.2509

177.3599,
159.6581, 230.2684

■ 4.7780, 2.8851,
8.1546

217.2871,
197.6564, 279.8493

■ 2.1510, 1.0720,
4.1049

262.7973,

■ 0.7167, 0.0000,

241.2505, 336.0806

1.6830

314.2560,
290.8250, 399.3809

■ 0.0000, 0.0000,
0.3491

■ 0.0000, 0.0000,
0.0000

■ 48.6824, 40.1521,
67.4716

■ 48.6824, 40.1521,
67.4716

■ 45.0901, 33.6835,
66.4130

■ 52.8960, 47.8538,
68.7367

■ 42.0825, 28.3771,
65.5472

■ 57.7576, 56.8444,
70.2158

■ 39.6248, 24.1627,
64.8633

■ 63.2969, 67.1823,
71.9193

■ 37.6770, 20.9603,
64.3478

■ 69.5406, 78.9211,
73.8560

36.1937, 18.6790,
63.9857

75.8710, 90.8252,
75.8201

35.1214, 17.2119,
63.7590

76.3862, 91.0908,
75.8442

34.3759, 16.3906,
63.6398

76.9068, 91.3591,
75.8686

34.2926, 16.3057,
63.6278

77.4328, 91.6303,
75.8932

77.9643, 91.9043,
75.9181

Harmonies

Analogous

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



43.1867, 40.1521, 83.4441



48.6824, 40.1521, 67.4716



51.3978, 40.1521, 47.6495

Triad

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



48.6824, 40.1521, 67.4716



39.5122, 40.1521, 17.6566



28.1772, 40.1521, 59.0190

Complementary

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



48.6824, 40.1521, 67.4716



42.8411, 56.3902, 37.9066

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.



27.4214, 40.1521, 40.0105



48.6824, 40.1521, 67.4716



33.5455, 40.1521, 19.1582

Square

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



48.6824, 40.1521, 67.4716



45.7433, 40.1521, 21.4467



29.2805, 40.1521, 26.3192



31.4707, 40.1521, 77.7055

Rectangle

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



48.6824, 40.1521, 67.4716



51.0761, 40.1521, 36.0981



29.2805, 40.1521, 26.3192



27.6340, 40.1521, 52.3430

Sweetspot

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



48.6837, 40.1538, 67.4725



87.4720, 85.8664, 106.5713



36.5503, 35.1396, 67.1441



18.4777, 17.9242, 22.7358



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.



48.6837, 40.1538, 67.4725



70.2406, 54.3005, 101.3867



47.1443, 39.7020, 51.9600



12.8480, 12.5785, 15.6883



21.2111, 10.0873, 39.2822



1.3097, 0.6241, 2.3707

Inverse Universe

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



44.2201, 38.5323, 36.5611



62.3799, 51.4613, 46.2134



44.1851, 56.8184, 49.9306



12.4642, 12.4372, 13.1185



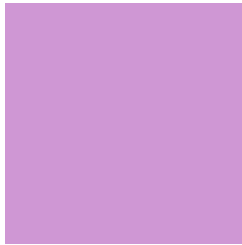
16.8412, 8.6728, 1.2020



1.0305, 0.5290, 0.1498

Previews

White Background



This preview shows how the XYZ color 48.6824, 40.1521, 67.4716 looks on a white background.

Color Contrast Check

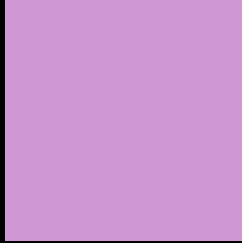
Large Text (above 18pt) WCAG AA × Fail

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 48.6824, 40.1521, 67.4716 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 48.6824, 40.1521, 67.4716

Background



This preview shows how black text looks on a background with the XYZ color 48.6824, 40.1521, 67.4716.



This preview shows how white text looks on a background with the XYZ color 48.6824, 40.1521,

67.4716.

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

48.6824, 40.1521, 67.4716

Protanopia

40.9747, 40.3556, 76.1508

Deuteranopia

41.2637, 40.4564, 65.9556



Tritanopia

43.8362, 40.1541, 43.9682

Trichromacy



Original Color

48.6824, 40.1521, 67.4716

Protanomaly

43.2942, 40.0066, 73.1504

Deuteranomaly

43.6691, 40.0880, 66.4089

Tritanomaly

45.3800, 40.0186, 51.7870

Monochromacy



Original Color

48.6824, 40.1521, 67.4716

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.2068, 41.4681, 53.3038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6824, 40.1521, 67.4716 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(207, 151, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 151, 212)  
}
```

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(207, 151, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 151, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.6824, 40.1521, 67.4716 is called "border". The border property can be set on classes, ids or directly on the HTML element.

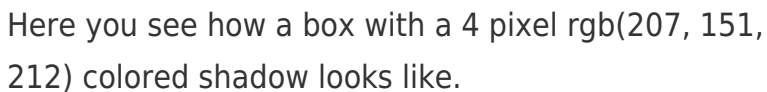
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 151, 212) }
```


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

```
.border{ border-color:rgb(207, 151, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 151, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 151, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 151, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 151,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6824, 40.1521, 67.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 151, 212) }
```

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

```
.background{ background-color: rgb(207,  
151, 212) }
```

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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