

Converting Colors

XYZ(50.0396, 40.8794, 60.3884)

Have a look what the booklet for
XYZ(50.0396, 40.8794, 60.3884)
contains.

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Color

**XYZ(50.0642, 40.7815,
60.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	D996C9
RGB	217, 150, 201
RGB Percent	85%, 59%, 79%
CMY	0.1490, 0.4117, 0.2118
CMYK	0.00, 0.31, 0.07, 0.15
HSL	314°, 47%, 72%
HSV	314°, 31%, 85%
XYZ	50.0642, 40.7815, 60.4913
YIQ	175.8470, 23.5610, 30.0650

Conversions

Conversions Part 2

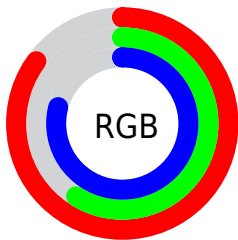
Format	Color
R _Y B	217, 150, 201
Decimal	14259913
CIE Lab	70.02, 33.01, -16.10
CIE LCh	70, 36.730, 334.002
Yxy	40.7815, 0.3308, 0.2695
Android (android.graphics.Color)	4292449993 (0xFFD996C9)
YUV	175.8470, 12.4004, 36.0912
Hunter-Lab	63.8604, 28.1817, -11.4598

Details

The XYZ color **50.0642, 40.7815, 60.4913** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2751, 58.8640, 45.1073**, and the grayscale version is **41.1171, 43.2584, 47.1084**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **24.3321, 18.4190, 29.8765** is the 20% darker color. If you saturate the color by 10%, you get **46.3177, 34.2472, 56.2855**, and if you desaturate by 10%, it is **54.4749, 48.6100, 65.0209**.

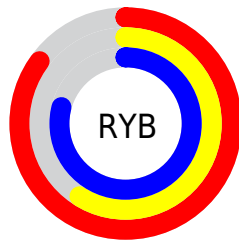
Distribution



Red (85%)

Green (59%)

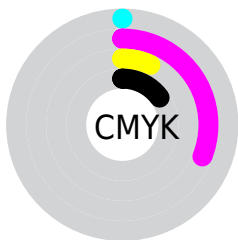
Blue (79%)



Red (85%)

Yellow (59%)

Blue (79%)

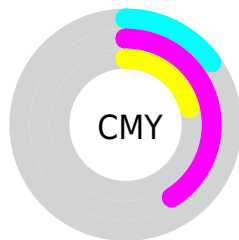


Cyan (0%)

Magenta (31%)

Yellow (7%)

Black (15%)



Cyan (15%)


Magenta (41%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0642, 40.7815, 60.4913 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 50.0642, 40.7815, 60.4913 by changing the saturation by 10% instead.


 50.0642, 40.7815,
60.4913


 50.0642, 40.7815,
60.4913

377.3648,
349.4066, 444.2611

 35.6824, 28.1484,
43.3869

 89.4612, 76.3521,
107.0924

 24.3580, 18.4375,
29.8551


 115.2072,
100.0584, 137.4261

 15.7256, 11.2646,
19.4775


145.4720,
128.2245, 173.0067

 9.4198, 6.2451,
11.8355

180.6208,
161.2348, 214.2526

 5.0753, 2.9947,
6.5106

221.0192,
199.4738, 261.5825

 2.3267, 1.1290,
3.0842

267.0324,

 0.8083, 0.0025,

243.3259, 315.4149

1.1378

319.0258,
293.1753, 376.1682

■ 0.0000, 0.0000,
0.0000

■ 50.0642, 40.7815,
60.4913

■ 50.0642, 40.7815,
60.4913

■ 46.3177, 34.2472,
56.2855

■ 54.4749, 48.6100,
65.0209

■ 43.1961, 28.9307,
52.3880

■ 59.5790, 57.7928,
69.8837

■ 40.6615, 24.7559,
48.7857

■ 65.4085, 68.3928,
75.0917

■ 38.6703, 21.6360,
45.4631

■ 71.9922, 80.4672,
80.6554

■ 37.1726, 19.4715,
42.4024

■ 78.2286, 91.8131,
86.2087

■ 36.1091, 18.1440,
39.5828

■ 78.9546, 92.1035,
90.0314

■ 35.4231, 17.4749,
37.1876

■ 79.7022, 92.4025,
93.9685

■ 80.4718, 92.7103,
98.0209

■ 81.2634, 93.0270,
102.1896

Harmonies

Analogous

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



45.5667, 40.7815, 77.7522



50.0642, 40.7815, 60.4913



51.4255, 40.7815, 42.1412

Triad

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



50.0642, 40.7815, 60.4913



37.9632, 40.7815, 18.9554



29.9749, 40.7815, 65.5256

Complementary

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



50.0642, 40.7815, 60.4913



44.2751, 58.8640, 45.1073

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.



28.3687, 40.7815, 46.7466



50.0642, 40.7815, 60.4913



32.6701, 40.7815, 22.2857

Square

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



50.0642, 40.7815, 60.4913



44.0332, 40.7815, 20.8630



29.3026, 40.7815, 31.4564



33.9284, 40.7815, 81.1453

Rectangle

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



50.0642, 40.7815, 60.4913



50.2656, 40.7815, 32.2913



29.3026, 40.7815, 31.4564



29.1621, 40.7815, 59.2205

Sweetspot

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



50.0654, 40.7833, 60.4922



87.2907, 85.8734, 102.0221



39.0817, 34.8921, 70.3212



18.4329, 17.9261, 21.6073



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.



50.0654, 40.7833, 60.4922



68.5558, 52.4804, 83.2089



46.5786, 39.3886, 42.1305



13.4745, 13.2189, 15.7599



21.4862, 10.5955, 22.7384



1.4247, 0.6995, 1.6452

Inverse Universe

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



50.0654, 40.7833, 60.4922



68.5558, 52.4804, 83.2089



47.7163, 60.2405, 63.2279



13.4745, 13.2189, 15.7599



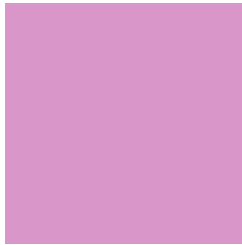
21.4862, 10.5955, 22.7384



1.4247, 0.6995, 1.6452

Previews

White Background



This preview shows how the XYZ color 50.0642, 40.7815, 60.4913 looks on a white background.

Color Contrast Check

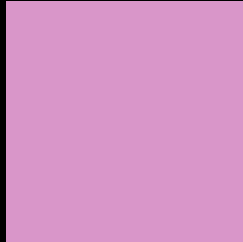
Large Text (above 18pt) WCAG AA × Fail

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 50.0642, 40.7815, 60.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

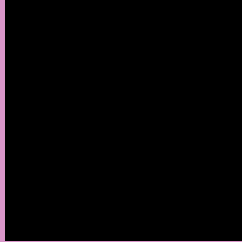
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0642, 40.7815, 60.4913

Background



This preview shows how black text looks on a background with the XYZ color 50.0642, 40.7815, 60.4913.



This preview shows how white text looks on a background with the XYZ color 50.0642, 40.7815,

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

50.0642, 40.7815, 60.4913

Protanopia

41.3384, 41.2328, 70.0699

Deuteranopia

41.9163, 40.9448, 59.1200



Tritanopia

46.3969, 40.7502, 42.4660

Trichromacy



Original Color

50.0642, 40.7815, 60.4913



Protanomaly

43.7861, 40.6713, 66.5153



Deuteranomaly

44.5395, 40.6896, 59.5392



Tritanomaly

47.5254, 40.7026, 48.5316

Monochromacy



Original Color

50.0642, 40.7815, 60.4913



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

44.0615, 42.2166, 51.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0642, 40.7815, 60.4913 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(217, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(217, 150, 201)  
}
```

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(217, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 150, 201) }
```

Border

The CSS property to change the border of an element to XYZ 50.0642, 40.7815, 60.4913 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(217, 150, 201) }
```


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

```
.border{ border-color:rgb(217, 150, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 150, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(217, 150,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0642, 40.7815, 60.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 150, 201) }
```

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

```
.background{ background-color: rgb(217,  
150, 201) }
```

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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