

Converting Colors

XYZ(45.9046, 40.7813, 62.0252)

Have a look what the booklet for
XYZ(45.9046, 40.7813, 62.0252)
contains.

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Color

**XYZ(45.9426, 40.8438,
61.9621)**

Conversions

Conversions Part 1

Format	Color
Hex	C49FCB
RGB	196, 159, 203
RGB Percent	77%, 62%, 80%
CMY	0.2314, 0.3765, 0.2039
CMYK	0.03, 0.22, 0.00, 0.20
HSL	290°, 30%, 71%
HSV	290°, 22%, 80%
XYZ	45.9426, 40.8438, 61.9621
YIQ	175.0790, 7.9280, 21.5280

Conversions

Conversions Part 2

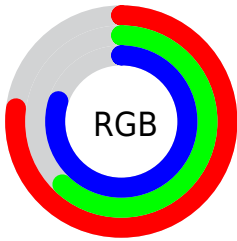
Format	Color
R_{YB}	196, 159, 203
Decimal	12885963
CIE _{Lab}	70.07, 21.42, -17.35
CIE _{LCh}	70, 27.566, 321.004
Yxy	40.8438, 0.3089, 0.2746
Android (android.graphics.Color)	4291076043 (0xFFC49FCB)
YUV	175.0790, 13.7651, 18.3477
Hunter-Lab	63.9092, 16.4779, -12.7473

Details

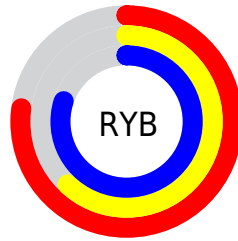
The XYZ color **45.9426, 40.8438, 61.9621** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3412, 53.3230, 40.8109**, and the grayscale version is **40.7176, 42.8381, 46.6507**.

A 20% lighter version of the original color is **82.6046, 76.1958, 104.9613**, and **21.8378, 18.4361, 30.8413** is the 20% darker color. If you saturate the color by 10%, you get **41.9037, 33.9991, 60.8544**, and if you desaturate by 10%, it is **50.5753, 48.8479, 63.2635**.

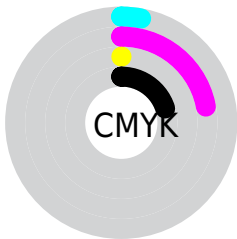
Distribution



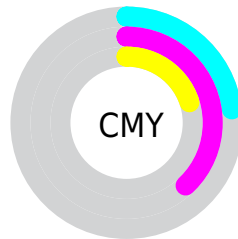
- Red (77%)
- Green (62%)
- Blue (80%)



- Red (77%)
- Yellow (62%)
- Blue (80%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)





- Cyan (23%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9426, 40.8438, 61.9621 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 45.9426, 40.8438, 61.9621 by changing the saturation by 10% instead.


 45.9426, 40.8438,
61.9621


 45.9426, 40.8438,
61.9621


361.2976,
349.6674, 449.7967

 32.4050, 28.1971,
44.5665


 83.3615, 76.4467,
109.2418

 21.8280, 18.4743,
30.7756


 107.9734,
100.1717, 139.9630

 13.8465, 11.2910,
20.1710

137.0075,
128.3582, 175.9631

 8.0950, 6.2629,
12.3341

170.8291,
161.3906, 217.6607

 4.2081, 3.0056,
6.8464

209.8036,
199.6533, 265.4743

 1.8205, 1.1347,
3.2892

254.2962,

 0.5300, 0.0073,

243.5308, 319.8225

1.2441

304.6725,
293.4073, 381.1238

■ 0.0000, 0.0000,
0.0153

■ 0.0000, 0.0000,
0.0000

■ 45.9426, 40.8438,
61.9621

■ 45.9426, 40.8438,
61.9621

■ 41.9037, 33.9991,
60.8544

■ 50.5753, 48.8479,
63.2635

■ 38.4269, 28.2524,
59.9285

■ 55.8243, 58.0583,
64.7646

■ 35.4829, 23.5451,
59.1750

■ 61.7154, 68.5256,
66.4745

■ 33.0385, 19.8103,
58.5830

■ 68.2717, 80.2961,
68.4009

■ 31.0563, 16.9740,
58.1400

■ 73.7340, 89.8510,
69.9573

■ 29.4937, 14.9508,
57.8318

■ 74.6752, 90.3363,
70.0014

■ 28.2997, 13.6391,
57.6416

■ 75.6352, 90.8312,
70.0463

■ 27.5103, 12.9368,
57.5476

■ 76.6140, 91.3358,
70.0921

■ 77.6118, 91.8501,
70.1388

Harmonies

Analogous

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



42.0061, 40.8438, 71.8543



45.9426, 40.8438, 61.9621



48.0111, 40.8438, 48.4609

Triad

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



45.9426, 40.8438, 61.9621



40.1897, 40.8438, 24.2091



31.2893, 40.8438, 53.9604

Complementary

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



45.9426, 40.8438, 61.9621



43.3412, 53.3230, 40.8109

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.



30.8852, 40.8438, 40.7081



45.9426, 40.8438, 61.9621



35.8007, 40.8438, 25.1149

Square

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



45.9426, 40.8438, 61.9621



44.5251, 40.8438, 27.8568



32.4759, 40.8438, 30.6281



33.6258, 40.8438, 66.6493

Rectangle

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



45.9426, 40.8438, 61.9621



47.9504, 40.8438, 39.9068



32.4759, 40.8438, 30.6281



30.9304, 40.8438, 49.3727

Sweetspot

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



45.9439, 40.8456, 61.9630



88.5806, 88.6007, 107.0407



38.7761, 39.0783, 61.9997



18.8458, 18.7643, 22.8785



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.



45.9439, 40.8456, 61.9630



73.6486, 62.8004, 102.8477



46.1410, 41.1397, 53.2756



11.5055, 11.3099, 14.1470



17.5713, 8.2659, 36.6256



0.9547, 0.4513, 1.8917

Inverse Universe

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



43.9110, 40.2477, 41.5323



69.7107, 61.6613, 62.4112



43.2629, 53.1268, 47.8501



11.2839, 11.2423, 12.0296



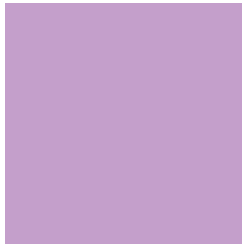
15.8641, 8.1562, 1.7372



0.8419, 0.4302, 0.2134

Previews

White Background



This preview shows how the XYZ color 45.9426, 40.8438, 61.9621 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 45.9426, 40.8438, 61.9621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

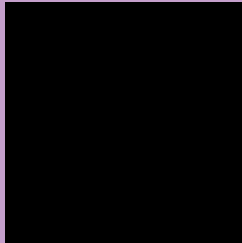
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9426, 40.8438, 61.9621

Background



This preview shows how black text looks on a background with the XYZ color 45.9426, 40.8438, 61.9621.



This preview shows how white text looks on a background with the XYZ color 45.9426, 40.8438,

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

45.9426, 40.8438, 61.9621

Protanopia

40.9079, 41.0840, 66.7467

Deuteranopia

41.8169, 40.8531, 60.9398



Tritanopia

42.9495, 40.9317, 47.2319

Trichromacy



Original Color

45.9426, 40.8438, 61.9621

Protanomaly

42.3543, 40.7761, 64.6697

Deuteranomaly

43.2275, 40.7603, 61.4663

Tritanomaly

43.7756, 40.7233, 52.0075

Monochromacy



Original Color

45.9426, 40.8438, 61.9621

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.4734, 41.9460, 51.7567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9426, 40.8438, 61.9621 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(196, 159, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 203)  
}
```

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(196, 159, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.9426, 40.8438, 61.9621 is called "border". The border property can be set on classes, ids or directly on the HTML element.

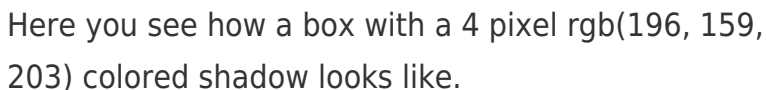
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 159, 203) }
```


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

```
.border{ border-color:rgb(196, 159, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 159, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9426, 40.8438, 61.9621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 203) }
```

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

```
.background{ background-color: rgb(196,  
159, 203) }
```

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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