

Converting Colors

XYZ(49.8983, 39.9835, 77.7616)

Have a look what the booklet for
XYZ(49.8983, 39.9835, 77.7616)
contains.

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Color

**XYZ(50.0662, 40.1628,
77.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	CE95E3
RGB	206, 149, 227
RGB Percent	81%, 58%, 89%
CMY	0.1921, 0.4157, 0.1098
CMYK	0.09, 0.34, 0.00, 0.11
HSL	284°, 58%, 74%
HSV	284°, 34%, 89%
XYZ	50.0662, 40.1628, 77.7865
YIQ	174.9350, 8.9340, 36.3420

Conversions

Conversions Part 2

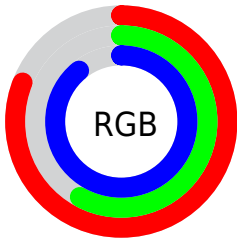
Format	Color
R _Y B	206, 149, 227
Decimal	13538787
CIE Lab	69.59, 34.90, -31.23
CIE LCh	70, 46.835, 318.179
Yxy	40.1628, 0.2980, 0.2390
Android (android.graphics.Color)	4291728867 (0xFFCE95E3)
YUV	174.9350, 25.6680, 27.2440
Hunter-Lab	63.3741, 30.1121, -28.4117

Details

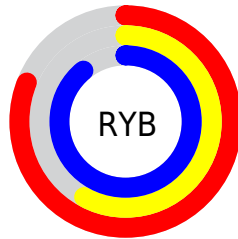
The XYZ color **50.0662, 40.1628, 77.7865** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.4728, 65.6552, 38.5009**, and the grayscale version is **40.5834, 42.6969, 46.4969**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **24.3879, 18.0690, 40.7304** is the 20% darker color. If you saturate the color by 10%, you get **45.1552, 32.8101, 76.6267**, and if you desaturate by 10%, it is **55.7457, 48.9527, 79.1844**.

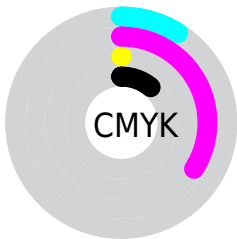
Distribution



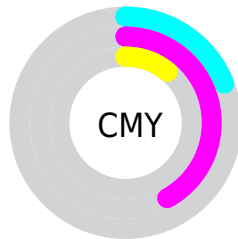
- Red (81%)
- Green (58%)
- Blue (89%)



- Red (81%)
- Yellow (58%)
- Blue (89%)



- Cyan (9%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)





- Cyan (19%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0662, 40.1628, 77.7865 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 50.0662, 40.1628, 77.7865 by changing the saturation by 10% instead.


 50.0662, 40.1628,
77.7865


 50.0662, 40.1628,
77.7865


377.3725,
346.8093, 506.9502

 35.6840, 27.6655,
57.3832


 89.4642, 75.4114,
132.0322

 24.3592, 18.0737,
40.9016


 115.2107, 98.9314,
166.7118

 15.7265, 11.0029,
27.9231

145.4760,
126.8945, 206.9871

 9.4204, 6.0688,
18.0291


180.6256,
159.6850, 253.2768

 5.0757, 2.8869,
10.8012

221.0246,
197.6873, 305.9995

 2.3270, 1.0730,
5.8209

267.0385,

 0.8084, 0.0000,

241.2859, 365.5735

2.6694

319.0327,
290.8651, 432.4176

■ 0.0000, 0.0000,
0.9280

■ 0.0000, 0.0000,
0.0000

■ 50.0662, 40.1628,
77.7865

■ 50.0662, 40.1628,
77.7865

■ 45.1552, 32.8101,
76.6267

■ 55.7457, 48.9527,
79.1844

■ 40.9672, 26.8073,
75.6888

■ 62.2280, 59.2502,
80.8304

■ 37.4577, 22.0659,
74.9586

■ 69.5500, 71.1270,
82.7369

■ 34.5752, 18.4839,
74.4191

■ 77.7451, 84.6487,
84.9149

■ 32.2603, 15.9435,
74.0508

■ 84.4035, 94.9949,
86.5610

■ 30.4403, 14.3008,
73.8296

■ 86.4740, 96.0623,
86.6579

■ 29.5671, 13.6407,
73.7483

■ 88.6148, 97.1659,
86.7581

■ 90.8264, 98.3061,
86.8616

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



42.8917, 40.1628, 96.4203



50.0662, 40.1628, 77.7865



54.2462, 40.1628, 52.8269

Triad

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



50.0662, 40.1628, 77.7865



41.2300, 40.1628, 14.3244



25.9592, 40.1628, 58.0505

Complementary

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



50.0662, 40.1628, 77.7865



49.4728, 65.6552, 38.5009

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.



25.6377, 40.1628, 35.7432



50.0662, 40.1628, 77.7865



33.8147, 40.1628, 14.9000

Square

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



50.0662, 40.1628, 77.7865



48.7122, 40.1628, 19.4605



28.3312, 40.1628, 21.4269



29.2763, 40.1628, 82.6802

Rectangle

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



50.0662, 40.1628, 77.7865



54.4492, 40.1628, 38.0699



28.3312, 40.1628, 21.4269



25.5149, 40.1628, 49.9261

Sweetspot

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



50.0675, 40.1645, 77.7874



84.9670, 83.5168, 106.2499



40.8430, 41.1010, 78.4543



17.9027, 17.4170, 22.6682



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.



50.0675, 40.1645, 77.7874



60.6602, 45.4834, 100.1898



54.0725, 42.4856, 66.3898



14.5968, 14.4099, 18.1564



17.3601, 8.0154, 43.0153



1.3702, 0.6373, 3.1828

Inverse Universe

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



49.6830, 40.7298, 43.2750



60.3144, 46.4550, 48.2228



46.7387, 64.0783, 45.9351



14.5356, 14.4314, 15.7547



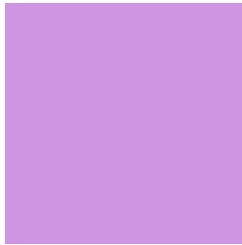
19.0097, 9.7381, 3.6803



1.4427, 0.7348, 0.4717

Previews

White Background



This preview shows how the XYZ color 50.0662, 40.1628, 77.7865 looks on a white background.

Color Contrast Check

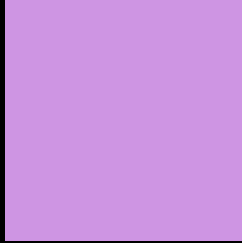
Large Text (above 18pt) WCAG AA × Fail

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 50.0662, 40.1628, 77.7865 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 50.0662, 40.1628, 77.7865

Background



This preview shows how black text looks on a background with the XYZ color 50.0662, 40.1628, 77.7865.



This preview shows how white text looks on a background with the XYZ color 50.0662, 40.1628,

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

50.0662, 40.1628, 77.7865

Protanopia

41.9124, 40.5592, 88.8388

Deuteranopia

41.2386, 40.2342, 75.4045



Tritanopia

43.3059, 40.1259, 44.4923

Trichromacy



Original Color

50.0662, 40.1628, 77.7865



Protanomaly

44.0336, 39.8707, 84.7319



Deuteranomaly

43.7045, 39.6374, 75.8683



Tritanomaly

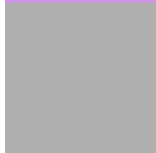
45.4903, 40.0002, 55.1924

Monochromacy



Original Color

50.0662, 40.1628, 77.7865



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.6235, 41.6066, 56.7706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0662, 40.1628, 77.7865 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(206, 149, 227)` looks like.

```
.text, #text, p{  
    color:rgb(206, 149, 227)  
}
```

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(206, 149, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 149, 227) }
```

Border

The CSS property to change the border of an element to XYZ 50.0662, 40.1628, 77.7865 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(206, 149, 227) }
```


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

```
.border{ border-color:rgb(206, 149, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 149, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 149, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 149, 227);  
box-shadow:4px 4px 4px 4px rgb(206, 149,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0662, 40.1628, 77.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 149, 227) }
```

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

```
.background{ background-color: rgb(206,  
149, 227) }
```

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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