

Converting Colors

XYZ(49.9590, 38.3784, 67.8240)

Have a look what the booklet for
XYZ(49.9590, 38.3784, 67.8240)
contains.

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Color

**XYZ(50.0036, 38.3120,
67.7103)**

Conversions

Conversions Part 1

Format	Color
Hex	D98CD5
RGB	217, 140, 213
RGB Percent	85%, 55%, 84%
CMY	0.1490, 0.4510, 0.1647
CMYK	0.00, 0.35, 0.02, 0.15
HSL	303°, 50%, 70%
HSV	303°, 35%, 85%
XYZ	50.0036, 38.3120, 67.7103
YIQ	171.3450, 22.4590, 39.0270

Conversions

Conversions Part 2

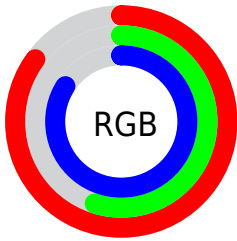
Format	Color
R _Y B	217, 140, 213
Decimal	14257365
CIE Lab	68.25, 40.49, -25.45
CIE LCh	68, 47.826, 327.846
Yxy	38.3120, 0.3205, 0.2455
Android (android.graphics.Color)	4292447445 (0xFFD98CD5)
YUV	171.3450, 20.5359, 40.0394
Hunter-Lab	61.8967, 35.8831, -21.5311

Details

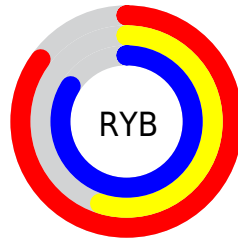
The XYZ color **50.0036, 38.3120, 67.7103** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.6637, 57.2160, 35.2884**, and the grayscale version is **38.7752, 40.7946, 44.4253**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **24.3592, 17.0251, 34.3501** is the 20% darker color. If you saturate the color by 10%, you get **46.9978, 32.5278, 66.0051**, and if you desaturate by 10%, it is **53.6381, 45.3504, 69.6308**.

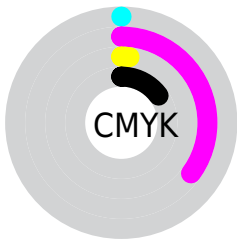
Distribution



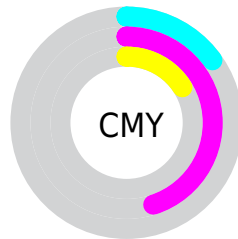
- Red (85%)
- Green (55%)
- Blue (84%)



- Red (85%)
- Yellow (55%)
- Blue (84%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0036, 38.3120, 67.7103 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 50.0036, 38.3120, 67.7103 by changing the saturation by 10% instead.


 50.0036, 38.3120,
67.7103


 50.0036, 38.3120,
67.7103


377.1318,
338.9565, 471.0391

 35.6341, 26.2249,
49.1969


 89.3720, 72.5861,
117.5879

 24.3205, 16.9920,
34.4090


 115.1016, 95.5419,
149.7892

 15.6976, 10.2288,
22.9281


 145.3486,
122.8894, 187.3901

 9.3999, 5.5509,
14.3356

180.4783,
155.0131, 230.8093

 5.0621, 2.5740,
8.2130

220.8561,
192.2972, 280.4652

 2.3189, 0.9136,
4.1418

266.8474,

 0.8043, 0.0000,

235.1262, 336.7765

1.7035

318.8175,
283.8845, 400.1616

■ 0.0000, 0.0000,
0.3631

■ 0.0000, 0.0000,
0.0000

■ 50.0036, 38.3120,
67.7103

■ 50.0036, 38.3120,
67.7103

■ 46.9978, 32.5278,
66.0051

■ 53.6381, 45.3504,
69.6308

■ 44.5800, 27.9189,
64.5004


■ 57.9315, 53.7058,
71.7754


■ 42.7106, 24.4053,
63.1835


■ 62.9165, 63.4427,
74.1554


■ 41.3438, 21.8951,
62.0389


■ 68.6225, 74.6202,
76.7808


 40.4259, 20.2812,
61.0488


 75.0773, 87.2935,
79.6607


 39.8914, 19.4325,
60.1914

 77.2629, 91.4268,
81.1224

 39.7231, 19.1949,
59.8300

 77.4125, 91.4867,
81.9105

 77.5632, 91.5469,
82.7040

 77.7149, 91.6076,
83.5027

Harmonies

Analogous

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



43.5566, 38.3120, 89.7834



50.0036, 38.3120, 67.7103



52.7666, 38.3120, 43.2828

Triad

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



50.0036, 38.3120, 67.7103



36.9577, 38.3120, 12.6018



25.1171, 38.3120, 64.0735

Complementary

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



50.0036, 38.3120, 67.7103



40.6637, 57.2160, 35.2884

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.



23.8464, 38.3120, 40.1860



50.0036, 38.3120, 67.7103



30.0990, 38.3120, 14.8597

Square

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



50.0036, 38.3120, 67.7103



44.6203, 38.3120, 15.6514



25.5415, 38.3120, 23.4049



29.2818, 38.3120, 87.2270

Rectangle

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



50.0036, 38.3120, 67.7103



51.8979, 38.3120, 30.3189



25.5415, 38.3120, 23.4049



24.3646, 38.3120, 55.6600

Sweetspot

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



50.0048, 38.3137, 67.7111



86.5116, 83.2973, 104.9007



33.3796, 29.6837, 69.6167



18.3106, 17.4259, 22.3540



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.



50.0048, 38.3137, 67.7111



68.5652, 48.4764, 95.6136



45.6983, 36.5911, 45.0334



13.5836, 13.2626, 16.3347



24.0584, 11.6244, 36.2830



1.5678, 0.7567, 2.3988

Inverse Universe

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



50.0048, 38.3137, 67.7111



68.5652, 48.4764, 95.6136



44.1093, 58.5943, 53.4325



13.5836, 13.2626, 16.3347



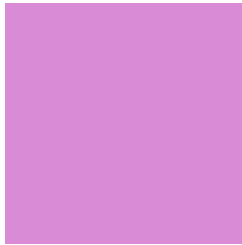
24.0584, 11.6244, 36.2830



1.5678, 0.7567, 2.3988

Previews

White Background



This preview shows how the XYZ color 50.0036, 38.3120, 67.7103 looks on a white background.

Color Contrast Check

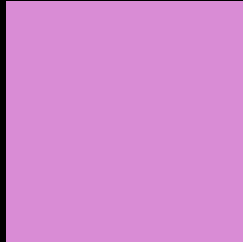
Large Text (above 18pt) WCAG AA × Fail

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 50.0036, 38.3120, 67.7103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

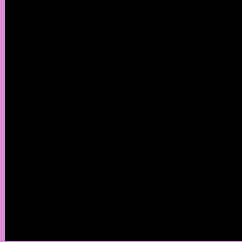
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0036, 38.3120, 67.7103

Background



This preview shows how black text looks on a background with the XYZ color 50.0036, 38.3120, 67.7103.



This preview shows how white text looks on a background with the XYZ color 50.0036, 38.3120,

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

50.0036, 38.3120, 67.7103

Protanopia

39.7319, 38.5235, 80.9430

Deuteranopia

39.3038, 38.3749, 65.6572



Tritanopia

44.0063, 38.1230, 39.2215

Trichromacy



Original Color

50.0036, 38.3120, 67.7103



Protanomaly

42.1891, 37.5952, 75.5540



Deuteranomaly

42.4103, 37.9196, 66.0567



Tritanomaly

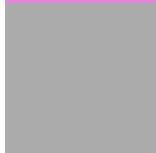
46.0599, 38.0401, 48.6309

Monochromacy



Original Color

50.0036, 38.3120, 67.7103



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.1728, 39.3781, 51.8324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0036, 38.3120, 67.7103 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, 140, 213)` looks like.

```
.text, #text, p{  
    color:rgb(217, 140, 213)  
}
```

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, 140, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 140, 213) }
```

Border

The CSS property to change the border of an element to XYZ 50.0036, 38.3120, 67.7103 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, 140, 213) }
```


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

```
.border{ border-color:rgb(217, 140, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 140, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 140, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 140, 213);  
box-shadow:4px 4px 4px 4px rgb(217, 140,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0036, 38.3120, 67.7103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 140, 213) }
```

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

```
.background{ background-color: rgb(217,  
140, 213) }
```

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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