

Converting Colors

XYZ(45.8345, 36.6350, 53.4295)

Have a look what the booklet for
XYZ(45.8345, 36.6350, 53.4295)
contains.

XYZ(45.9705, 36.7645, 53.3885)	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(45.9705, 36.7645,
53.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	D48DBE
RGB	212, 141, 190
RGB Percent	83%, 55%, 75%
CMY	0.1686, 0.4470, 0.2549
CMYK	0.00, 0.33, 0.10, 0.17
HSL	319°, 45%, 69%
HSV	319°, 33%, 83%
XYZ	45.9705, 36.7645, 53.3885
YIQ	167.8150, 26.5870, 30.2910

Conversions

Conversions Part 2

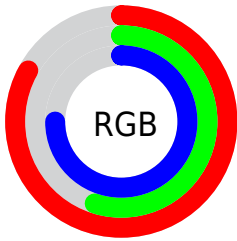
Format	Color
R _Y B	212, 141, 190
Decimal	13929918
CIE Lab	67.10, 34.29, -14.43
CIE LCh	67, 37.204, 337.172
Yxy	36.7645, 0.3377, 0.2701
Android (android.graphics.Color)	4292119998 (0xFFD48DBE)
YUV	167.8150, 10.9372, 38.7502
Hunter-Lab	60.6337, 29.2238, -9.7617

Details

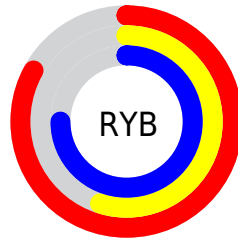
The XYZ color **45.9705, 36.7645, 53.3885** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.1404, 55.3951, 43.1768**, and the grayscale version is **37.0687, 38.9991, 42.4700**.

A 20% lighter version of the original color is **77.6145, 67.3937, 96.1063**, and **21.7980, 16.0188, 25.6100** is the 20% darker color. If you saturate the color by 10%, you get **42.4369, 30.8201, 48.7477**, and if you desaturate by 10%, it is **50.1370, 43.9217, 58.4007**.

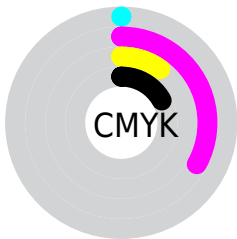
Distribution



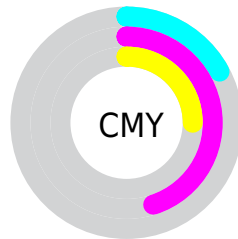
- Red (83%)
- Green (55%)
- Blue (75%)



- Red (83%)
- Yellow (55%)
- Blue (75%)



- Cyan (0%)
- Magenta (33%)
- Yellow (10%)
- Black (17%)



- Cyan (17%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9705, 36.7645, 53.3885 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 45.9705, 36.7645, 53.3885 by changing the saturation by 10% instead.


 45.9705, 36.7645,
53.3885

 45.9705, 36.7645,
53.3885

361.4080,
332.2898, 416.8824


 32.4271, 25.0252,
37.7232


 83.4030, 70.2104,
96.6231

 21.8450, 16.0958,
25.4677

 108.0227, 92.6859,
125.0295

 13.8590, 9.5920,
16.2037


 137.0653,
119.5088, 158.5199

 8.1037, 5.1293,
9.5125

170.8961,
151.0636, 197.5130

 4.2138, 2.3233,
4.9756

209.8804,
187.7348, 242.4272

 1.8238, 0.7860,
2.1745

254.3835,

 0.5319, 0.0000,

229.9066, 293.6812

0.6596

304.7709,
277.9634, 351.6934

■ 0.0000, 0.0000,
0.0000

■ 45.9705, 36.7645,
53.3885

■ 45.9705, 36.7645,
53.3885

■ 42.4369, 30.8201,
48.7477

■ 50.1370, 43.9217,
58.4007

■ 39.4982, 26.0150,
44.4624

■ 54.9650, 52.3500,
63.7948

■ 37.1173, 22.2751,
40.5186


■ 60.4853, 62.1099,
69.5835


■ 35.2516, 19.5157,
36.8999


■ 66.7258, 73.2564,
75.7778


■ 33.8517, 17.6391,
33.5875


■ 73.7129, 85.8416,
82.3887


 32.8582, 16.5269,
30.5595

 77.1129, 91.1977,
87.9734

 32.3638, 16.0821,
28.7176

 78.0501, 91.5726,
92.9086

 79.0224, 91.9615,
98.0287

 80.0302, 92.3646,
103.3357

Harmonies

Analogous

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



41.9439, 36.7645, 70.3744



45.9705, 36.7645, 53.3885



46.8984, 36.7645, 36.2621

Triad

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



45.9705, 36.7645, 53.3885



33.6018, 36.7645, 16.3772



26.9656, 36.7645, 61.9823

Complementary

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



45.9705, 36.7645, 53.3885



41.1404, 55.3951, 43.1768

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.



25.2154, 36.7645, 44.0509



45.9705, 36.7645, 53.3885



28.7689, 36.7645, 19.9689

Square

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



45.9705, 36.7645, 53.3885



39.3405, 36.7645, 17.6190



25.8380, 36.7645, 29.1098



30.8871, 36.7645, 76.1987

Rectangle

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



45.9705, 36.7645, 53.3885



45.5531, 36.7645, 27.4119



25.8380, 36.7645, 29.1098



26.1243, 36.7645, 56.0259

Sweetspot

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



45.9716, 36.7662, 53.3893



86.2015, 84.2972, 99.8027



36.3715, 31.5180, 66.4545



18.2034, 17.6071, 21.0989



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.



45.9716, 36.7662, 53.3893



66.0035, 49.3914, 76.1444



42.6108, 35.4219, 35.6916



12.7816, 12.5641, 14.7900



20.0264, 9.9469, 17.9751



1.2443, 0.6145, 1.2758

Inverse Universe

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



45.9716, 36.7662, 53.3893



66.0035, 49.3914, 76.1444



44.6993, 56.8187, 61.9175



12.7816, 12.5641, 14.7900



20.0264, 9.9469, 17.9751



1.2443, 0.6145, 1.2758

Previews

White Background



This preview shows how the XYZ color 45.9705, 36.7645, 53.3885 looks on a white background.

Color Contrast Check

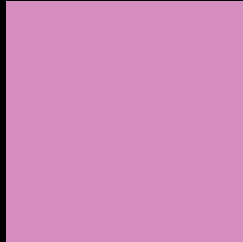
Large Text (above 18pt) WCAG AA × Fail

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 45.9705, 36.7645, 53.3885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

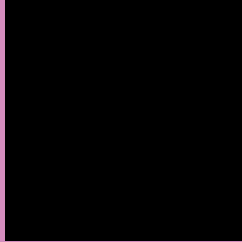
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9705, 36.7645, 53.3885

Background



This preview shows how black text looks on a background with the XYZ color 45.9705, 36.7645, 53.3885.



This preview shows how white text looks on a background with the XYZ color 45.9705, 36.7645,

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

45.9705, 36.7645, 53.3885

Protanopia

37.1458, 37.0703, 62.3242

Deuteranopia

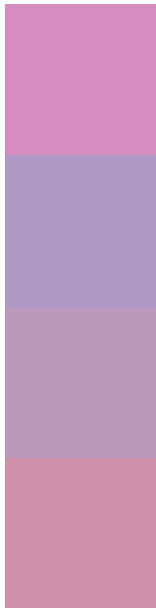
37.9026, 37.1645, 52.1895



Tritanopia

42.6177, 36.7460, 37.1942

Trichromacy



Original Color

45.9705, 36.7645, 53.3885

Protanomaly

39.5436, 36.3487, 58.9647

Deuteranomaly

40.4759, 36.7276, 52.5328

Tritanomaly

43.6756, 36.7084, 42.8137

Monochromacy



Original Color

45.9705, 36.7645, 53.3885

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.8305, 37.7787, 46.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9705, 36.7645, 53.3885 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(212, 141, 190)` looks like.

```
.text, #text, p{  
    color:rgb(212, 141, 190)  
}
```

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(212, 141, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 141, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.9705, 36.7645, 53.3885 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(212, 141, 190) }
```


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

```
.border{ border-color:rgb(212, 141, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 141, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 141, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 141, 190);  
box-shadow:4px 4px 4px 4px rgb(212, 141,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9705, 36.7645, 53.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 141, 190) }
```

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

```
.background{ background-color: rgb(212,  
141, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor