

Converting Colors

XYZ(45.9715, 35.9052, 53.2226)

Have a look what the booklet for
XYZ(45.9715, 35.9052, 53.2226)
contains.

XYZ(45.9715, 35.9052, 53.2226)	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(45.9715, 35.9052,
53.2226)**

Conversions

Conversions Part 1

Format	Color
Hex	D689BE
RGB	214, 137, 190
RGB Percent	84%, 54%, 75%
CMY	0.1608, 0.4627, 0.2549
CMYK	0.00, 0.36, 0.11, 0.16
HSL	319°, 48%, 69%
HSV	319°, 36%, 84%
XYZ	45.9715, 35.9052, 53.2226
YIQ	166.0650, 28.8790, 32.8070

Conversions

Conversions Part 2

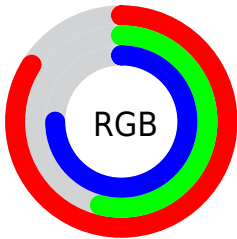
Format	Color
R _Y B	214, 137, 190
Decimal	14059966
CIE Lab	66.45, 37.11, -15.40
CIE LCh	66, 40.173, 337.466
Yxy	35.9052, 0.3403, 0.2658
Android (android.graphics.Color)	4292250046 (0xFFD689BE)
YUV	166.0650, 11.8000, 42.0390
Hunter-Lab	59.9209, 32.0840, -10.7175

Details

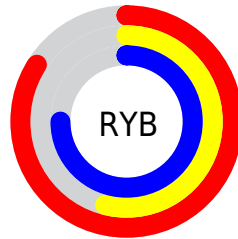
The XYZ color **45.9715, 35.9052, 53.2226** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.7977, 55.9858, 42.3768**, and the grayscale version is **36.2129, 38.0988, 41.4896**.

A 20% lighter version of the original color is **76.5054, 65.1754, 95.7366**, and **21.8644, 15.5722, 25.5203** is the 20% darker color. If you saturate the color by 10%, you get **42.5135, 30.1289, 48.5549**, and if you desaturate by 10%, it is **50.0684, 42.9047, 58.2686**.

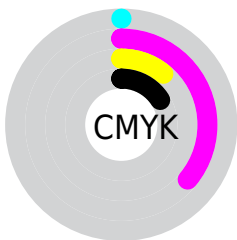
Distribution



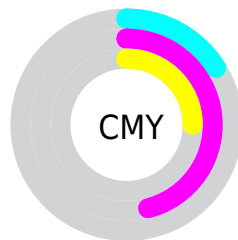
- Red (84%)
- Green (54%)
- Blue (75%)



- Red (84%)
- Yellow (54%)
- Blue (75%)



- Cyan (0%)
- Magenta (36%)
- Yellow (11%)
- Black (16%)





- Cyan (16%)
- Magenta (46%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9715, 35.9052, 53.2226 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 45.9715, 35.9052, 53.2226 by changing the saturation by 10% instead.


 45.9715, 35.9052,
53.2226


 45.9715, 35.9052,
53.2226

361.4119,
328.5460, 416.2291

 32.4279, 24.3610,
37.5916


 83.4045, 68.8857,
96.3767

 21.8456, 15.6016,
25.3665


 108.0245, 91.0908,
124.7369

 13.8595, 9.2427,
16.1288


 137.0674,
117.6183, 158.1771

 8.1041, 4.8998,
9.4600

170.8985,
148.8527, 197.1160

 4.2140, 2.1886,
4.9415

209.8831,
185.1782, 241.9721

 1.8239, 0.7138,
2.1549

254.3867,

 0.5320, 0.0000,

226.9793, 293.1640

0.6481

304.7745,
274.6405, 351.1101

■ 0.0000, 0.0000,
0.0000

■ 45.9715, 35.9052,
53.2226

■ 45.9715, 35.9052,
53.2226

■ 42.5135, 30.1289,
48.5549

■ 50.0684, 42.9047,
58.2686

■ 39.6547, 25.4990,
44.2491

■ 54.8341, 51.1884,
63.7041

■ 37.3562, 21.9376,
40.2903


■ 60.3008, 60.8192,
69.5420


■ 35.5729, 19.3552,
36.6612


■ 66.4975, 71.8544,
75.7942


■ 34.2520, 17.6474,
33.3419


■ 73.4513, 84.3479,
82.4718

 33.3284, 16.6844,
30.3084

 77.7782, 91.5308,
88.4486

 33.0215, 16.4121,
29.1528

 78.7333, 91.9129,
93.4785

 79.7247, 92.3094,
98.6992

 80.7528, 92.7207,
104.1128

Harmonies

Analogous

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



41.6619, 35.9052, 71.7450



45.9715, 35.9052, 53.2226



46.9363, 35.9052, 34.9443

Triad

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



45.9715, 35.9052, 53.2226



32.6451, 35.9052, 14.5792



25.7404, 35.9052, 62.9209

Complementary

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



45.9715, 35.9052, 53.2226



40.7977, 55.9858, 42.3768

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.



23.8897, 35.9052, 43.5613



45.9715, 35.9052, 53.2226



27.5599, 35.9052, 18.2466

Square

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



45.9715, 35.9052, 53.2226



38.7571, 35.9052, 15.7761



24.5144, 35.9052, 27.7182



29.8808, 35.9052, 78.3958

Rectangle

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



45.9715, 35.9052, 53.2226



45.4601, 35.9052, 25.7136



24.5144, 35.9052, 27.7182



24.8535, 35.9052, 56.4608

Sweetspot

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



45.9726, 35.9068, 53.2233



85.3694, 82.8404, 98.8858



35.6021, 30.2322, 67.5779



18.0369, 17.3165, 20.9126



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.



45.9726, 35.9068, 53.2233



64.4463, 46.8289, 73.9240



42.3789, 34.4694, 34.2994



12.7806, 12.5637, 14.7847



20.0079, 9.9395, 17.8775



1.2433, 0.6141, 1.2704

Inverse Universe

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



45.9726, 35.9068, 53.2233



64.4463, 46.8289, 73.9240



44.6268, 57.5175, 62.5406



12.7806, 12.5637, 14.7847



20.0079, 9.9395, 17.8775



1.2433, 0.6141, 1.2704

Previews

White Background



This preview shows how the XYZ color 45.9715, 35.9052, 53.2226 looks on a white background.

Color Contrast Check

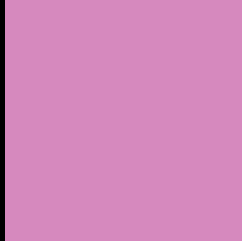
Large Text (above 18pt) WCAG AA × Fail

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 45.9715, 35.9052, 53.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

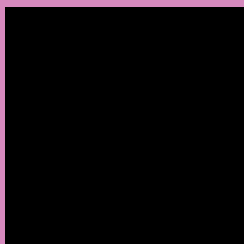
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9715, 35.9052, 53.2226

Background



This preview shows how black text looks on a background with the XYZ color 45.9715, 35.9052, 53.2226.



This preview shows how white text looks on a background with the XYZ color 45.9715, 35.9052,

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

45.9715, 35.9052, 53.2226

Protanopia

36.2891, 36.0819, 63.4444

Deuteranopia

36.8157, 36.1059, 51.4831



Tritanopia

42.4680, 36.0147, 35.7236

Trichromacy



Original Color

45.9715, 35.9052, 53.2226

Protanomaly

38.8871, 35.5108, 59.4483

Deuteranomaly

39.4044, 35.4678, 51.7828

Tritanomaly

43.4567, 35.7258, 41.6511

Monochromacy



Original Color

45.9715, 35.9052, 53.2226

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.9876, 36.6051, 45.5681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9715, 35.9052, 53.2226 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(214, 137, 190)` looks like.

```
.text, #text, p{  
    color:rgb(214, 137, 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(214, 137, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 137, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.9715, 35.9052, 53.2226 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(214, 137, 190) }
```


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

```
.border{ border-color:rgb(214, 137, 190) }
```

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

Here you see how a box with a 4 pixel rgb(214, 137, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 137, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 137, 190);  
box-shadow:4px 4px 4px 4px rgb(214, 137,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9715, 35.9052, 53.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 137, 190) }
```

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

```
.background{ background-color: rgb(214,  
137, 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