

Converting Colors

XYZ(47.9165, 35.9754, 55.7307)

Have a look what the booklet for
XYZ(47.9165, 35.9754, 55.7307)
contains.

XYZ(47.9439, 36.0423, 55.4689)	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(47.9439, 36.0423,
55.4689)**

Conversions

Conversions Part 1

Format	Color
Hex	DD85C2
RGB	221, 133, 194
RGB Percent	87%, 52%, 76%
CMY	0.1333, 0.4784, 0.2392
CMYK	0.00, 0.40, 0.12, 0.13
HSL	318°, 56%, 69%
HSV	318°, 40%, 87%
XYZ	47.9439, 36.0423, 55.4689
YIQ	166.2660, 32.8670, 37.6270

Conversions

Conversions Part 2

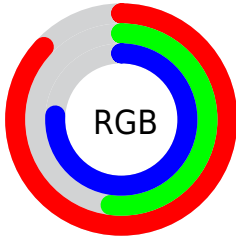
Format	Color
R _Y B	221, 133, 194
Decimal	14517698
CIE Lab	66.55, 42.19, -17.40
CIE LCh	67, 45.636, 337.586
Yxy	36.0423, 0.3438, 0.2585
Android (android.graphics.Color)	4292707778 (0xFFDD85C2)
YUV	166.2660, 13.6729, 48.0017
Hunter-Lab	60.0352, 37.4877, -12.7557

Details

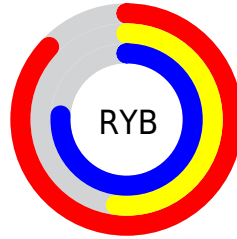
The XYZ color **47.9439, 36.0423, 55.4689** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **41.8760, 59.2385, 42.4873**, and the grayscale version is **36.3000, 38.1904, 41.5894**.

A 20% lighter version of the original color is **76.6358, 64.1915, 99.6178**, and **22.9859, 15.6708, 26.6242** is the 20% darker color. If you saturate the color by 10%, you get **44.4863, 30.3178, 50.6444**, and if you desaturate by 10%, it is **52.0749, 43.0570, 60.6901**.

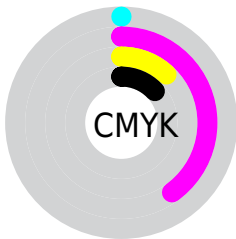
Distribution



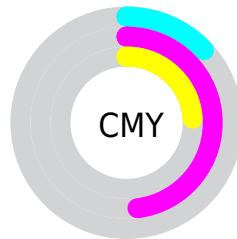
- Red (87%)
- Green (52%)
- Blue (76%)



- Red (87%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (40%)
- Yellow (12%)
- Black (13%)




- Cyan (13%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9439, 36.0423, 55.4689 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 47.9439, 36.0423, 55.4689 by changing the saturation by 10% instead.


 47.9439, 36.0423,
55.4689

 47.9439, 36.0423,
55.4689


369.1560,
329.1454, 425.0189


 33.9935, 24.4669,
39.3761


 86.3311, 69.0973,
99.7057

 23.0515, 15.6803,
26.7424

 111.4986, 91.3458,
128.6867

 14.7524, 9.2982,
17.1491


 141.1359,
117.9206, 162.8010

 8.7310, 4.9362,
10.1778

175.6082,
149.2063, 202.4669

 4.6218, 2.2099,
5.4098

215.2811,
185.5872, 248.1032

 2.0596, 0.7254,
2.4268

260.5198,

 0.6671, 0.0000,

227.4478, 300.1282

0.8010

311.6896,
275.1724, 358.9606

■ 0.0000, 0.0000,
0.0000

■ 47.9439, 36.0423,
55.4689

■ 47.9439, 36.0423,
55.4689

■ 44.4863, 30.3178,
50.6444

■ 52.0749, 43.0570,
60.6901

■ 41.6582, 25.7979,
46.1986

■ 56.9133, 51.4305,
66.3204

■ 39.4153, 22.3943,
42.1148


■ 62.4945, 61.2327,
72.3742


■ 37.7060, 20.0045,
38.3734


■ 68.8506, 72.5269,
78.8643


■ 36.4692, 18.5070,
34.9516


■ 76.0118, 85.3730,
85.8028


 35.5992, 17.6914,
31.8119

 80.5292, 92.8723,
92.0423

 35.5845, 17.6785,
31.7562

 81.5262, 93.2711,
97.2924

 82.5610, 93.6850,
102.7414

 83.6290, 94.1123,
108.3655

Harmonies

Analogous

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



42.9420, 36.0423, 77.4018



47.9439, 36.0423, 55.4689



49.0539, 36.0423, 34.4686

Triad

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



47.9439, 36.0423, 55.4689



32.5464, 36.0423, 12.4582



24.8377, 36.0423, 67.0653

Complementary

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



47.9439, 36.0423, 55.4689



41.8760, 59.2385, 42.4873

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.



22.7823, 36.0423, 44.4411



47.9439, 36.0423, 55.4689



26.8300, 36.0423, 16.2871

Square

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



47.9439, 36.0423, 55.4689



39.5327, 36.0423, 13.6688



23.4597, 36.0423, 26.5384



29.4731, 36.0423, 85.5066

Rectangle

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



47.9439, 36.0423, 55.4689



47.3178, 36.0423, 24.2304



23.4597, 36.0423, 26.5384



23.8524, 36.0423, 59.4484

Sweetspot

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



47.9450, 36.0440, 55.4696



84.5782, 81.4165, 98.1332



35.8179, 29.4094, 72.1958



17.8796, 17.0327, 20.7651



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.



47.9450, 36.0440, 55.4696



62.1550, 42.9586, 70.9644



43.7612, 34.3704, 33.4378



13.4354, 13.2033, 15.5540



20.7242, 10.2907, 18.7254



1.3804, 0.6818, 1.4123

Inverse Universe

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



47.9450, 36.0440, 55.4696



62.1550, 42.9586, 70.9644



46.3578, 61.0312, 66.0881



13.4354, 13.2033, 15.5540



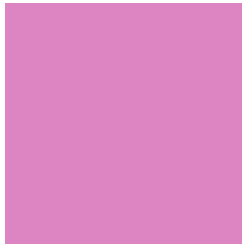
20.7242, 10.2907, 18.7254



1.3804, 0.6818, 1.4123

Previews

White Background



This preview shows how the XYZ color 47.9439, 36.0423, 55.4689 looks on a white background.

Color Contrast Check

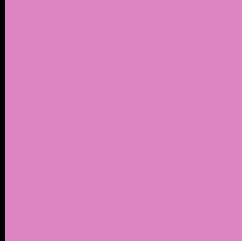
Large Text (above 18pt) WCAG AA × Fail

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 47.9439, 36.0423, 55.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

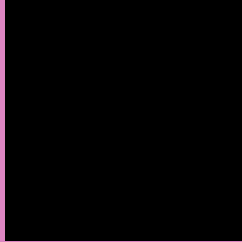
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9439, 36.0423, 55.4689

Background



This preview shows how black text looks on a background with the XYZ color 47.9439, 36.0423, 55.4689.



This preview shows how white text looks on a background with the XYZ color 47.9439, 36.0423,

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

47.9439, 36.0423, 55.4689

Protanopia

36.7938, 36.2416, 68.0069

Deuteranopia

36.9292, 36.1272, 53.1710



Tritanopia

43.5113, 35.9157, 34.3449

Trichromacy



Original Color

47.9439, 36.0423, 55.4689



Protanomaly

39.7261, 35.3829, 63.1283



Deuteranomaly

40.1590, 35.5708, 54.0395



Tritanomaly

44.9770, 35.8724, 41.1127

Monochromacy



Original Color

47.9439, 36.0423, 55.4689



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.6418, 36.6849, 46.0658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9439, 36.0423, 55.4689 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(221, 133, 194)` looks like.

```
.text, #text, p{  
    color:rgb(221, 133, 194)  
}
```

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(221, 133, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 133, 194) }
```

Border

The CSS property to change the border of an element to XYZ 47.9439, 36.0423, 55.4689 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(221, 133, 194) }
```


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

```
.border{ border-color:rgb(221, 133, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 133, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(221, 133,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9439, 36.0423, 55.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 133, 194) }
```

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

```
.background{ background-color: rgb(221,  
133, 194) }
```

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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