

Converting Colors

XYZ(45.3231, 34.8336, 47.3353)

Have a look what the booklet for
XYZ(45.3231, 34.8336, 47.3353)
contains.

XYZ(45.2410, 34.8221, 47.5169)	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(45.2410, 34.8221,
47.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	D985B4
RGB	217, 133, 180
RGB Percent	85%, 52%, 71%
CMY	0.1490, 0.4784, 0.2941
CMYK	0.00, 0.39, 0.17, 0.15
HSL	326°, 52%, 69%
HSV	326°, 39%, 85%
XYZ	45.2410, 34.8221, 47.5169
YIQ	163.4740, 34.9770, 32.4250

Conversions

Conversions Part 2

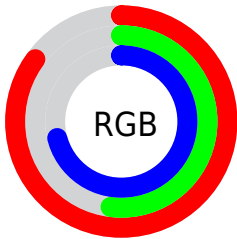
Format	Color
R_{YB}	217, 133, 180
Decimal	14255540
CIE _{Lab}	65.61, 38.63, -11.00
CIE _{LCh}	66, 40.160, 344.110
Yxy	34.8221, 0.3546, 0.2729
Android (android.graphics.Color)	4292445620 (0xFFD985B4)
YUV	163.4740, 8.1473, 46.9423
Hunter-Lab	59.0103, 33.5815, -6.4350

Details

The XYZ color **45.2410, 34.8221, 47.5169** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **41.7430, 57.5155, 46.9344**, and the grayscale version is **34.9889, 36.8110, 40.0872**.

A 20% lighter version of the original color is **74.1506, 62.8568, 87.5813**, and **21.2704, 14.8907, 21.8318** is the 20% darker color. If you saturate the color by 10%, you get **41.6309, 29.1065, 41.6737**, and if you desaturate by 10%, it is **49.5340, 41.7951, 53.9198**.

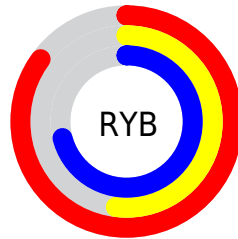
Distribution



Red (85%)

Green (52%)

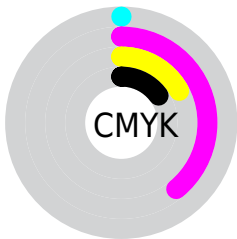
Blue (71%)



Red (85%)

Yellow (52%)

Blue (71%)

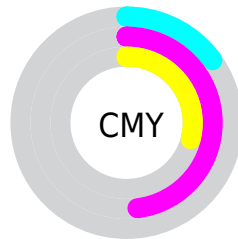


Cyan (0%)

Magenta (39%)

Yellow (17%)

Black (15%)



Cyan (15%)


Magenta (48%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2410, 34.8221, 47.5169 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 45.2410, 34.8221, 47.5169 by changing the saturation by 10% instead.

 45.2410, 34.8221,
47.5169


 45.2410, 34.8221,
47.5169


358.5160,
323.7824, 393.3274


 31.8494, 23.5259,
33.0872


 82.3168, 67.2101,
87.8427

 21.4015, 14.9823,
21.9216


 106.7317, 89.0706,
114.5759

 13.5319, 8.8070,
13.6015


 135.5517,
115.2214, 146.2474

 7.8753, 4.6155,
7.7085

169.1421,
146.0468, 183.2756

 4.0664, 2.0235,
3.8239

207.8685,
181.9312, 226.0792

 1.7398, 0.6211,
1.5292

252.0960,

 0.4810, 0.0000,

223.2590, 275.0767

0.2396

302.1901,
270.4146, 330.6865

■ 0.0000, 0.0000,
0.0000

■ 45.2410, 34.8221,
47.5169

■ 45.2410, 34.8221,
47.5169

■ 41.6309, 29.1065,
41.6737

■ 49.5340, 41.7951,
53.9198

■ 38.6611, 24.5668,
36.3684

■ 54.5430, 50.0909,
60.8988

■ 36.2891, 21.1195,
31.5803

■ 60.3024, 59.7758,
68.4720

■ 34.4653, 18.6678,
27.2857

■ 66.8435, 70.9107,
76.6560

■ 33.1316, 17.0977,
23.4579

■ 74.1958, 83.5524,
85.4664

■ 32.1990, 16.2339,
20.0599

■ 79.7133, 92.4069,
94.0272

■ 32.0919, 16.1424,
19.6462

■ 81.1505, 92.9818,
101.5954

■ 82.4254, 93.4918,
108.3092

Harmonies

Analogous

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



41.6311, 34.8221, 66.3288



45.2410, 34.8221, 47.5169



45.3534, 34.8221, 30.5390

Triad

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



45.2410, 34.8221, 47.5169



30.4101, 34.8221, 14.3410



25.6071, 34.8221, 65.2984

Complementary

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



45.2410, 34.8221, 47.5169



41.7430, 57.5155, 46.9344

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.



23.2759, 34.8221, 46.3930



45.2410, 34.8221, 47.5169



25.8176, 34.8221, 19.0559

Square

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



45.2410, 34.8221, 47.5169



36.2991, 34.8221, 14.4780



23.3480, 34.8221, 29.7031



30.0896, 34.8221, 78.4955

Rectangle

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



45.2410, 34.8221, 47.5169



43.3982, 34.8221, 22.4681



23.3480, 34.8221, 29.7031



24.5709, 34.8221, 59.1904

Sweetspot

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



45.2420, 34.8237, 47.5176



83.9584, 81.1686, 94.8695



37.3616, 30.2661, 69.5187



17.7335, 16.9743, 19.9957



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.



45.2420, 34.8237, 47.5176



61.1043, 43.6785, 61.9162



41.6351, 33.3810, 28.5239



13.3595, 13.1729, 15.1546



19.4807, 9.7933, 12.1771



1.3051, 0.6517, 1.0157

Inverse Universe

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



45.2420, 34.8237, 47.5176



61.1043, 43.6785, 61.9162



46.2949, 59.3362, 70.9049



13.3595, 13.1729, 15.1546



19.4807, 9.7933, 12.1771



1.3051, 0.6517, 1.0157

Previews

White Background



This preview shows how the XYZ color 45.2410, 34.8221, 47.5169 looks on a white background.

Color Contrast Check

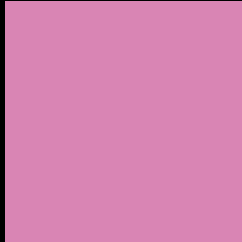
Large Text (above 18pt) WCAG AA × Fail

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 45.2410, 34.8221, 47.5169 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 45.2410, 34.8221, 47.5169

Background



This preview shows how black text looks on a background with the XYZ color 45.2410, 34.8221, 47.5169.



This preview shows how white text looks on a background with the XYZ color 45.2410, 34.8221,

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

45.2410, 34.8221, 47.5169

Protanopia

35.0674, 35.0642, 57.7431

Deuteranopia

35.7063, 34.9021, 45.9292



Tritanopia

42.3890, 34.9313, 32.9420

Trichromacy



Original Color

45.2410, 34.8221, 47.5169



Protanomaly

37.8306, 34.3704, 53.9305



Deuteranomaly

38.6192, 34.4809, 46.2150



Tritanomaly

43.3152, 34.8765, 37.7066

Monochromacy



Original Color

45.2410, 34.8221, 47.5169



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

37.9181, 35.3883, 42.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2410, 34.8221, 47.5169 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, 133, 180)` looks like.

```
.text, #text, p{  
    color:rgb(217, 133, 180)  
}
```

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, 133, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 133, 180) }
```

Border

The CSS property to change the border of an element to XYZ 45.2410, 34.8221, 47.5169 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, 133, 180) }
```


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

```
.border{ border-color:rgb(217, 133, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 133, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 133, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 133, 180);  
box-shadow:4px 4px 4px 4px rgb(217, 133,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2410, 34.8221, 47.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 133, 180) }
```

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

```
.background{ background-color: rgb(217,  
133, 180) }
```

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