

Converting Colors

XYZ(58.2722, 45.3416, 71.0706)

Have a look what the booklet for
XYZ(58.2722, 45.3416, 71.0706)
contains.

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Color

**XYZ(58.3447, 45.2991,
71.3141)**

Conversions

Conversions Part 1

Format	Color
Hex	EC98D9
RGB	236, 152, 217
RGB Percent	93%, 60%, 85%
CMY	0.0745, 0.4039, 0.1490
CMYK	0.00, 0.36, 0.08, 0.07
HSL	314°, 69%, 76%
HSV	314°, 36%, 93%
XYZ	58.3447, 45.2991, 71.3141
YIQ	184.5260, 29.1990, 38.0230

Conversions

Conversions Part 2

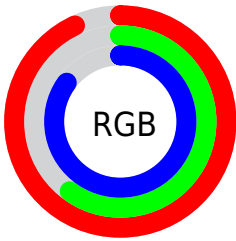
Format	Color
R _Y B	236, 152, 217
Decimal	15505625
CIE Lab	73.09, 40.94, -20.09
CIE LCh	73, 45.598, 333.863
Yxy	45.2991, 0.3335, 0.2589
Android (android.graphics.Color)	4293695705 (0xFFEC98D9)
YUV	184.5260, 16.0097, 45.1427
Hunter-Lab	67.3046, 36.9542, -15.7088

Details

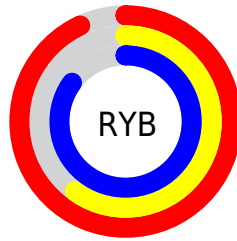
The XYZ color **58.3447, 45.2991, 71.3141** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.2970, 69.6080, 49.3158**, and the grayscale version is **45.7550, 48.1378, 52.4220**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **29.5738, 21.1160, 36.6995** is the 20% darker color. If you saturate the color by 10%, you get **54.2057, 38.1138, 66.5640**, and if you desaturate by 10%, it is **63.2710, 54.0215, 76.4384**.

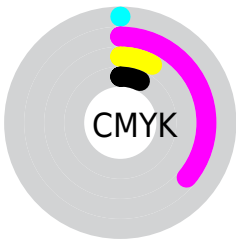
Distribution



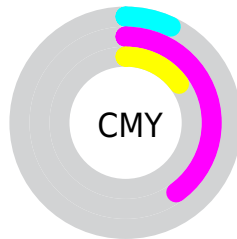
- Red (93%)
- Green (60%)
- Blue (85%)



- Red (93%)
- Yellow (60%)
- Blue (85%)



- Cyan (0%)
- Magenta (36%)
- Yellow (8%)
- Black (7%)




- Cyan (7%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3447, 45.2991, 71.3141 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 58.3447, 45.2991, 71.3141 by changing the saturation by 10% instead.


 58.3447, 45.2991,
71.3141


 58.3447, 45.2991,
71.3141


408.4023,
367.9836, 484.0639

 42.3302, 31.6931,
52.1152

 101.5447, 83.1691,
122.7795

 29.5521, 21.1272,
36.7140

 129.4609,
108.2018, 155.8830

 19.6453, 13.2170,
24.6921


162.0751,
137.8122, 194.4585

 12.2442, 7.5781,
15.6309

199.7525,
172.3847, 238.9244

 6.9836, 3.8262,
9.1118

242.8586,
212.3037, 289.6994

 3.4981, 1.5768,
4.7164

291.7587,

 1.4223, 0.3419,

257.9536, 347.2020

2.0260

346.8182,
309.7188, 411.8506

■ 0.2720, 0.0000,
0.5712

■ 0.0000, 0.0000,
0.0000

■ 58.3447, 45.2991,
71.3141

■ 58.3447, 45.2991,
71.3141

■ 54.2057, 38.1138,
66.5640

■ 63.2710, 54.0215,
76.4384

■ 50.8042, 32.3686,
62.1691

■ 69.0222, 64.3583,
81.9490

■ 48.0911, 27.9648,
58.1124

■ 75.6386, 76.3889,
87.8610

■ 46.0093, 24.7890,
54.3738

■ 83.1567, 90.1858,
94.1873

■ 44.4926, 22.7086,
50.9303

■ 86.6351, 95.8661,
99.2819

■ 43.4592, 21.5605,
47.7533

■ 87.4563, 96.1946,
103.6065

■ 43.0998, 21.2360,
46.4179

■ 88.3012, 96.5326,
108.0558

■ 88.4025, 96.5731,
108.5889

Harmonies

Analogous

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



52.1796, 45.2991, 95.5280



58.3447, 45.2991, 71.3141



60.2428, 45.2991, 46.4225

Triad

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



58.3447, 45.2991, 71.3141



42.0304, 45.2991, 17.1959



31.5340, 45.2991, 78.0707

Complementary

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



58.3447, 45.2991, 71.3141



50.2970, 69.6080, 49.3158

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.



29.4940, 45.2991, 52.3419



58.3447, 45.2991, 71.3141



35.0622, 45.2991, 21.1005

Square

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



58.3447, 45.2991, 71.3141



50.1716, 45.2991, 19.4646



30.7018, 45.2991, 32.3929



36.6461, 45.2991, 100.2001

Rectangle

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



58.3447, 45.2991, 71.3141



58.6603, 45.2991, 33.6015



30.7018, 45.2991, 32.3929



30.4969, 45.2991, 69.3128

Sweetspot

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



58.3461, 45.3012, 71.3150



85.7405, 82.9889, 100.8400



42.9915, 37.0834, 84.2497



18.1257, 17.3520, 21.3801



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.



58.3461, 45.3012, 71.3150



65.7295, 47.3421, 80.6813



53.6387, 43.4182, 46.5263



15.5605, 15.2521, 18.2371



23.8084, 11.7261, 25.8563



1.9052, 0.9350, 2.2181

Inverse Universe

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



58.3461, 45.3012, 71.3150



65.7295, 47.3421, 80.6813



54.8550, 71.4312, 73.3178



15.5605, 15.2521, 18.2371



23.8084, 11.7261, 25.8563



1.9052, 0.9350, 2.2181

Previews

White Background



This preview shows how the XYZ color 58.3447, 45.2991, 71.3141 looks on a white background.

Color Contrast Check

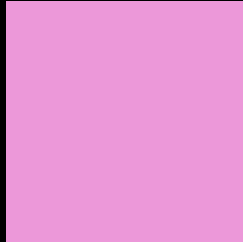
Large Text (above 18pt) WCAG AA × Fail

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 58.3447, 45.2991, 71.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

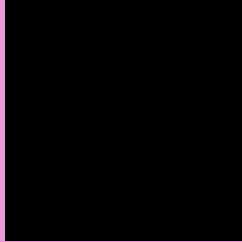
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3447, 45.2991, 71.3141

Background



This preview shows how black text looks on a background with the XYZ color 58.3447, 45.2991, 71.3141.



This preview shows how white text looks on a background with the XYZ color 58.3447, 45.2991,

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

58.3447, 45.2991, 71.3141

Protanopia

46.2256, 45.7315, 84.9880

Deuteranopia

46.5916, 45.6785, 69.3120



Tritanopia

53.2427, 45.4958, 45.5105

Trichromacy



Original Color

58.3447, 45.2991, 71.3141



Protanomaly

49.4268, 44.9245, 79.4650



Deuteranomaly

50.0437, 44.9100, 69.6492



Tritanomaly

55.0164, 45.4515, 54.0174

Monochromacy



Original Color

58.3447, 45.2991, 71.3141



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.9235, 46.7557, 59.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3447, 45.2991, 71.3141 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(236, 152, 217)` looks like.

```
.text, #text, p{  
    color:rgb(236, 152, 217)  
}
```

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(236, 152, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 152, 217) }
```

Border

The CSS property to change the border of an element to XYZ 58.3447, 45.2991, 71.3141 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(236, 152, 217) }
```


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

```
.border{ border-color:rgb(236, 152, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 152, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 152, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 152, 217);  
box-shadow:4px 4px 4px 4px rgb(236, 152,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3447, 45.2991, 71.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 152, 217) }
```

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

```
.background{ background-color: rgb(236,  
152, 217) }
```

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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