

Converting Colors

XYZ(45.1726, 27.9223, 49.5831)

Have a look what the booklet for
XYZ(45.1726, 27.9223, 49.5831)
contains.

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Color

**XYZ(45.3232, 28.0225,
49.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	E65CBA
RGB	230, 92, 186
RGB Percent	90%, 36%, 73%
CMY	0.0980, 0.6392, 0.2706
CMYK	0.00, 0.60, 0.19, 0.10
HSL	319°, 73%, 63%
HSV	319°, 60%, 90%
XYZ	45.3232, 28.0225, 49.4745
YIQ	143.9780, 52.0740, 58.4900

Conversions

Conversions Part 2

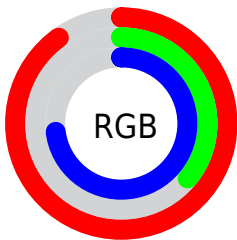
Format	Color
R _{YB}	230, 92, 186
Decimal	15097018
CIE _{Lab}	59.91, 63.43, -22.88
CIE _{LCh}	60, 67.435, 340.166
Yxy	28.0225, 0.3690, 0.2282
Android (android.graphics.Color)	4293287098 (0xFFE65CBA)
YUV	143.9780, 20.7168, 75.4413
Hunter-Lab	52.9363, 60.1904, -18.3573

Details

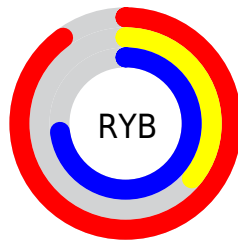
The XYZ color **45.3232, 28.0225, 49.4745** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **37.1558, 60.6474, 33.0431**, and the grayscale version is **26.4062, 27.7814, 30.2540**.

A 20% lighter version of the original color is **68.0145, 49.1657, 89.9096**, and **21.4435, 11.1819, 23.2184** is the 20% darker color. If you saturate the color by 10%, you get **42.8649, 24.3215, 44.9067**, and if you desaturate by 10%, it is **48.4279, 32.9515, 54.4557**.

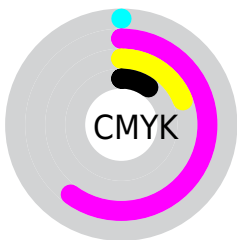
Distribution



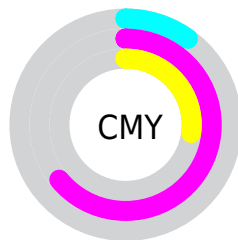
- Red (90%)
- Green (36%)
- Blue (73%)



- Red (90%)
- Yellow (36%)
- Blue (73%)



- Cyan (0%)
- Magenta (60%)
- Yellow (19%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3232, 28.0225, 49.4745 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 45.3232, 28.0225, 49.4745 by changing the saturation by 10% instead.


 45.3232, 28.0225,
49.4745

 45.3232, 28.0225,
49.4745

358.8427,
292.5744, 401.2834


 31.9144, 18.3426,
34.6278


 82.4393, 56.5204,
90.7841


 21.4514, 11.1963,
23.0950


 106.8773, 76.1071,
118.0840

 13.5687, 6.1990,
14.4577


 135.7225, 99.7650,
150.3720

 7.9010, 2.9665,
8.2973

 169.3401,
127.8783, 188.0668

 4.0829, 1.1142,
4.1953

208.0956,
160.8316, 231.5867

 1.7492, 0.0000,
1.7331

252.3543,

 0.4867, 0.0000,

199.0090, 281.3505

0.3833

302.4815,
242.7952, 337.7765

■ 0.0000, 0.0000,
0.0000

■ 45.3232, 28.0225,
49.4745

■ 45.3232, 28.0225,
49.4745

■ 42.8649, 24.3215,
44.9067

■ 48.4279, 32.9515,
54.4557

■ 40.9931, 21.7307,
40.7287

■ 52.2265, 39.2037,
59.8683

■ 39.6406, 20.1165,
36.9153

■ 56.7649, 46.8697,
65.7306

■ 38.6907, 19.2462,
33.4246

■ 62.0843, 56.0309,
72.0590

■ 38.6904, 19.2459,
33.4235

■ 68.2227, 66.7624,
78.8691

■ 75.2156, 79.1344,
86.1752

■ 83.0964, 93.2128,
93.9910

■ 84.8244, 94.9155,
99.9723

■ 85.9646, 95.3716,
105.9765

Harmonies

Analogous

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



38.7312, 28.0225, 82.6063



45.3232, 28.0225, 49.4745



46.3548, 28.0225, 22.9213

Triad

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



45.3232, 28.0225, 49.4745



23.8323, 28.0225, 3.6525



15.9280, 28.0225, 72.1624

Complementary

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



45.3232, 28.0225, 49.4745



37.1558, 60.6474, 33.0431

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.



13.4910, 28.0225, 39.6163



45.3232, 28.0225, 49.4745



17.3620, 28.0225, 6.7989

Square

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



45.3232, 28.0225, 49.4745



32.6219, 28.0225, 4.1753



13.9526, 28.0225, 17.1440



21.4286, 28.0225, 99.8549

Rectangle

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



45.3232, 28.0225, 49.4745



43.5601, 28.0225, 12.4184



13.9526, 28.0225, 17.1440



14.7830, 28.0225, 60.8778

Sweetspot

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



45.3241, 28.0239, 49.4750



79.8474, 73.2230, 92.6473



28.2164, 18.5784, 76.9621



16.6348, 14.8810, 19.3089



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.



45.3241, 28.0239, 49.4750



53.5348, 29.8239, 55.4333



39.6900, 25.7703, 19.8065



14.7893, 14.5329, 17.0909



21.9622, 10.9191, 19.2276



1.6647, 0.8236, 1.6410

Inverse Universe

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



45.3241, 28.0239, 49.4750



53.5348, 29.8239, 55.4333



43.6948, 63.2630, 67.4771



14.7893, 14.5329, 17.0909



21.9622, 10.9191, 19.2276



1.6647, 0.8236, 1.6410

Previews

White Background



This preview shows how the XYZ color 45.3232, 28.0225, 49.4745 looks on a white background.

Color Contrast Check

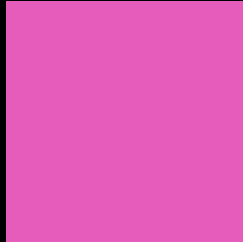
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3232, 28.0225, 49.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

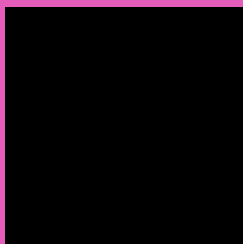
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.3232, 28.0225, 49.4745

Background



This preview shows how black text looks on a background with the XYZ color 45.3232, 28.0225, 49.4745.



This preview shows how white text looks on a background with the XYZ color 45.3232, 28.0225,

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

45.3232, 28.0225, 49.4745

Protanopia

30.1978, 28.3727, 74.4059

Deuteranopia

28.8642, 28.3111, 46.0628



Tritanopia

39.1110, 27.9096, 20.1553

Trichromacy



Original Color

45.3232, 28.0225, 49.4745



Protanomaly

32.7451, 26.2365, 64.3111



Deuteranomaly

33.0037, 26.7502, 47.1399



Tritanomaly

41.0968, 27.8222, 28.7954

Monochromacy



Original Color

45.3232, 28.0225, 49.4745



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

31.2708, 26.2844, 36.2261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3232, 28.0225, 49.4745 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(230, 92, 186)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 186)  
}
```

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(230, 92, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.3232, 28.0225, 49.4745 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(230, 92, 186) }
```


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

```
.border{ border-color:rgb(230, 92, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 92, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 186);  
box-shadow:4px 4px 4px 4px rgb(230, 92,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3232, 28.0225, 49.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 92, 186) }
```

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

```
.background{ background-color: rgb(230, 92,  
186) }
```

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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