

Converting Colors

XYZ(46.2932, 25.8902, 68.5211)

Have a look what the booklet for
XYZ(46.2932, 25.8902, 68.5211)
contains.

XYZ(46.2058, 25.8132, 68.1928)	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(46.2058, 25.8132,
68.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	E248D9
RGB	226, 72, 217
RGB Percent	89%, 28%, 85%
CMY	0.1137, 0.7176, 0.1490
CMYK	0.00, 0.68, 0.04, 0.11
HSL	304°, 73%, 58%
HSV	304°, 68%, 89%
XYZ	46.2058, 25.8132, 68.1928
YIQ	134.5760, 45.2390, 77.7430

Conversions

Conversions Part 2

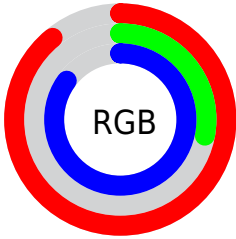
Format	Color
RYB	226, 72, 217
Decimal	14829785
CIELab	57.86, 74.79, -43.77
CIELCh	58, 86.657, 329.661
Yxy	25.8132, 0.3295, 0.1841
Android (android.graphics.Color)	4293019865 (0xFFE248D9)
YUV	134.5760, 40.6350, 80.1788
Hunter-Lab	50.8067, 73.4239, -44.0144

Details

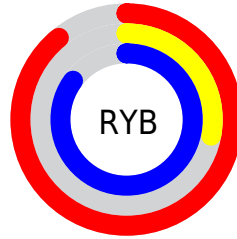
The XYZ color **46.2058, 25.8132, 68.1928** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.3553, 56.3657, 17.0132**, and the grayscale version is **22.7165, 23.8996, 26.0266**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **22.3694, 10.7887, 34.6216** is the 20% darker color. If you saturate the color by 10%, you get **44.8332, 23.3411, 66.8911**, and if you desaturate by 10%, it is **48.1184, 29.3616, 69.6817**.

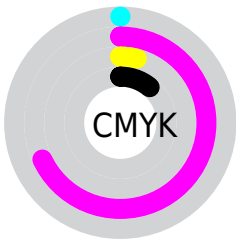
Distribution



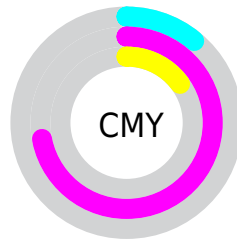
- Red (89%)
- Green (28%)
- Blue (85%)



- Red (89%)
- Yellow (28%)
- Blue (85%)



- Cyan (0%)
- Magenta (68%)
- Yellow (4%)
- Black (11%)





- Cyan (11%)
- Magenta (72%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2058, 25.8132, 68.1928 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 46.2058, 25.8132, 68.1928 by changing the saturation by 10% instead.


 46.2058, 25.8132,
68.1928


 46.2058, 25.8132,
68.1928

362.3375,
281.8639, 472.7954


 32.6136, 16.6839,
49.5869


 83.7529, 52.9734,
118.2847


 21.9884, 10.0094,
34.7164


 108.4385, 71.7732,
150.6079


 13.9649, 5.4052,
23.1627


 137.5525, 94.5653,
188.3405

 8.1778, 2.4869,
14.5073

 171.4604,
121.7340, 231.9013

 4.2617, 0.8701,
8.3316

 210.5275,
153.6639, 281.7086

 1.8512, 0.0000,
4.2170

255.1191,

 0.5482, 0.0000,

190.7392, 338.1810

1.7451

305.6007,
233.3444, 401.7371

■ 0.0000, 0.0000,
0.3914

■ 0.0000, 0.0000,
0.0000

■ 46.2058, 25.8132,
68.1928

■ 46.2058, 25.8132,
68.1928

■ 44.8332, 23.3411,
66.8911

■ 48.1184, 29.3616,
69.6817

■ 43.9355, 21.8174,
65.7542


■ 50.6209, 34.0883,
71.3738


■ 43.4252, 21.0663,
64.7533


■ 53.7607, 40.0874,
73.2852


■ 43.3483, 20.9625,
64.5738


■ 57.5797, 47.4427,
75.4298

 62.1161, 56.2306,
77.8204

 67.4054, 66.5220,
80.4689

 73.4807, 78.3831,
83.3861

 80.3729, 91.8760,
86.5827

 81.2519, 93.3399,
87.7817

Harmonies

Analogous

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



35.8446, 25.8132, 113.2614



46.2058, 25.8132, 68.1928



50.5172, 25.8132, 28.4473

Triad

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



46.2058, 25.8132, 68.1928



24.6535, 25.8132, 0.9160



10.9183, 25.8132, 67.1357

Complementary

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



46.2058, 25.8132, 68.1928



31.3553, 56.3657, 17.0132

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.



9.4587, 25.8132, 27.7678



46.2058, 25.8132, 68.1928



15.8957, 25.8132, 1.9183

Square

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



46.2058, 25.8132, 68.1928



36.1098, 25.8132, 1.9756



10.9876, 25.8132, 7.9442



15.7423, 25.8132, 112.4032

Rectangle

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



46.2058, 25.8132, 68.1928



48.6508, 25.8132, 12.8839



10.9876, 25.8132, 7.9442



10.0907, 25.8132, 52.1683

Sweetspot

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



46.2068, 25.8144, 68.1933



80.4066, 71.4752, 101.6695



19.3290, 11.8194, 73.2152



16.8398, 14.5804, 21.5679



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.



46.2068, 25.8144, 68.1933



58.3573, 29.6639, 87.2684



38.5127, 22.7368, 27.6771



14.2586, 13.9211, 17.1320



24.7455, 11.9652, 36.9212



1.7259, 0.8336, 2.6154

Inverse Universe

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



46.2068, 25.8144, 68.1933



58.3573, 29.6639, 87.2684



35.9303, 58.1957, 41.1051



14.2586, 13.9211, 17.1320



24.7455, 11.9652, 36.9212



1.7259, 0.8336, 2.6154

Previews

White Background



This preview shows how the XYZ color 46.2058, 25.8132, 68.1928 looks on a white background.

Color Contrast Check

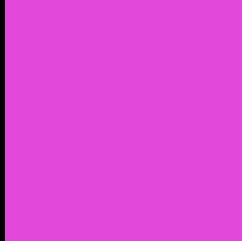
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2058, 25.8132, 68.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

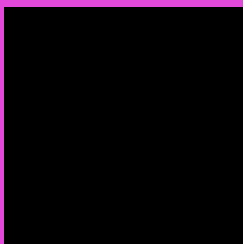
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.2058, 25.8132, 68.1928

Background



This preview shows how black text looks on a background with the XYZ color 46.2058, 25.8132, 68.1928.



This preview shows how white text looks on a background with the XYZ color 46.2058, 25.8132,

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

46.2058, 25.8132, 68.1928

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

26.7814, 25.9969, 62.6379



Tritanopia

36.0005, 25.7201, 18.3963

Trichromacy



Original Color

46.2058, 25.8132, 68.1928



Protanomaly

31.2980, 23.0667, 86.0218



Deuteranomaly

30.7241, 23.4132, 64.5279



Tritanomaly

38.6328, 25.0908, 31.6610

Monochromacy



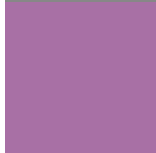
Original Color

46.2058, 25.8132, 68.1928



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

28.7342, 22.6298, 38.4508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2058, 25.8132, 68.1928 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(226, 72, 217)` looks like.

```
.text, #text, p{  
    color:rgb(226, 72, 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(226, 72, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 72, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.2058, 25.8132, 68.1928 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(226, 72, 217) }
```


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

```
.border{ border-color:rgb(226, 72, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 72, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 72, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 72, 217);  
box-shadow:4px 4px 4px 4px rgb(226, 72,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2058, 25.8132, 68.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 72, 217) }
```

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

```
.background{ background-color: rgb(226, 72,  
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](#).

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