

Converting Colors

XYZ(46.2459, 32.6444, 47.2704)

Have a look what the booklet for
XYZ(46.2459, 32.6444, 47.2704)
contains.

XYZ(46.1991, 32.6577, 47.0486)	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(46.1991, 32.6577,
47.0486)**

Conversions

Conversions Part 1

Format	Color
Hex	E277B4
RGB	226, 119, 180
RGB Percent	89%, 47%, 71%
CMY	0.1137, 0.5333, 0.2941
CMYK	0.00, 0.47, 0.20, 0.11
HSL	326°, 65%, 68%
HSV	326°, 47%, 89%
XYZ	46.1991, 32.6577, 47.0486
YIQ	157.9470, 44.1910, 41.6550

Conversions

Conversions Part 2

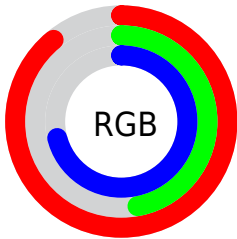
Format	Color
R _Y B	226, 119, 180
Decimal	14841780
CIE Lab	63.88, 48.81, -13.47
CIE LCh	64, 50.632, 344.567
Yxy	32.6577, 0.3669, 0.2594
Android (android.graphics.Color)	4293031860 (0xFFE277B4)
YUV	157.9470, 10.8721, 59.6825
Hunter-Lab	57.1469, 44.2971, -8.8101

Details

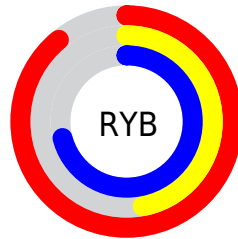
The XYZ color **46.1991, 32.6577, 47.0486** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.5972, 61.0323, 45.1882**, and the grayscale version is **32.4146, 34.1027, 37.1379**.

A 20% lighter version of the original color is **71.5164, 57.5882, 86.7032**, and **21.9274, 13.7536, 21.5777** is the 20% darker color. If you saturate the color by 10%, you get **42.8669, 27.5219, 41.2243**, and if you desaturate by 10%, it is **50.2421, 39.1032, 53.4529**.

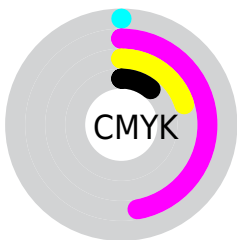
Distribution



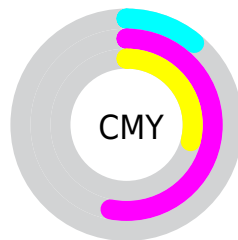
- Red (89%)
- Green (47%)
- Blue (71%)



- Red (89%)
- Yellow (47%)
- Blue (71%)



- Cyan (0%)
- Magenta (47%)
- Yellow (20%)
- Black (11%)





- Cyan (11%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1991, 32.6577, 47.0486 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 46.1991, 32.6577, 47.0486 by changing the saturation by 10% instead.


 46.1991, 32.6577,
47.0486

 46.1991, 32.6577,
47.0486


362.3111,
314.1045, 391.4079


 32.6083, 21.8644,
32.7195


 83.7429, 63.8407,
87.1369

 21.9843, 13.7573,
21.6423


 108.4266, 84.9992,
113.7331

 13.9619, 7.9520,
13.3985


 137.5386,
110.3815, 145.2555

 8.1757, 4.0643,
7.5696

171.4443,
140.3721, 182.1225

 4.2603, 1.7096,
3.7370

210.5091,
175.3553, 224.7527

 1.8504, 0.4298,
1.4822

255.0982,

 0.5478, 0.0000,

215.7155, 273.5646

0.2046

305.5771,
261.8371, 328.9768

■ 0.0000, 0.0000,
0.0000

■ 46.1991, 32.6577,
47.0486

■ 46.1991, 32.6577,
47.0486

■ 42.8669, 27.5219,
41.2243

■ 50.2421, 39.1032,
53.4529

■ 40.1951, 23.5985,
35.9552

■ 55.0359, 46.9373,
60.4562

■ 38.1309, 20.7841,
31.2170

■ 60.6207, 56.2382,
68.0790

■ 36.6118, 18.9555,
26.9812

■ 67.0331, 67.0769,
76.3397

■ 35.5546, 17.9493,
23.2124

■ 74.3073, 79.5196,
85.2560

■ 35.3158, 17.7495,
22.2766

■ 82.4754, 93.6287,
94.8447

■ 84.0699, 94.4671,
102.6226

■ 85.1742, 94.9089,
108.4378

Harmonies

Analogous

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



41.6751, 32.6577, 71.4536



46.1991, 32.6577, 47.0486



46.2689, 32.6577, 26.5790

Triad

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



46.1991, 32.6577, 47.0486



27.7219, 32.6577, 9.5060



22.2710, 32.6577, 70.7888

Complementary

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



46.1991, 32.6577, 47.0486



41.5972, 61.0323, 45.1882

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.



19.5838, 32.6577, 46.3625



46.1991, 32.6577, 47.0486



22.3884, 32.6577, 14.2983

Square

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



46.1991, 32.6577, 47.0486



34.8285, 32.6577, 9.5698



19.6232, 32.6577, 26.1105



27.5370, 32.6577, 88.3395

Rectangle

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



46.1991, 32.6577, 47.0486



43.7365, 32.6577, 17.6266



19.6232, 32.6577, 26.1105



21.0746, 32.6577, 62.7728

Sweetspot

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



46.2001, 32.6593, 47.0492



82.3263, 78.3503, 92.9510



35.5499, 26.5348, 75.2000



17.2439, 16.1349, 19.4016



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.



46.2001, 32.6593, 47.0492



56.3493, 36.1649, 54.1765



41.8530, 30.9204, 24.1576



14.0330, 13.8308, 15.9439



20.2082, 10.1503, 13.0280



1.4453, 0.7214, 1.1380

Inverse Universe

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



46.2001, 32.6593, 47.0492



56.3493, 36.1649, 54.1765



47.3405, 63.3296, 75.4320



14.0330, 13.8308, 15.9439



20.2082, 10.1503, 13.0280



1.4453, 0.7214, 1.1380

Previews

White Background



This preview shows how the XYZ color 46.1991, 32.6577, 47.0486 looks on a white background.

Color Contrast Check

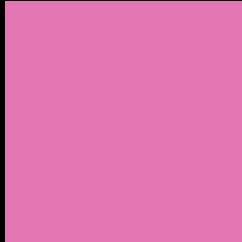
Large Text (above 18pt) WCAG AA × Fail

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 46.1991, 32.6577, 47.0486 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 46.1991, 32.6577, 47.0486

Background



This preview shows how black text looks on a background with the XYZ color 46.1991, 32.6577, 47.0486.



This preview shows how white text looks on a background with the XYZ color 46.1991, 32.6577,

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

46.1991, 32.6577, 47.0486

Protanopia

33.4456, 32.8929, 61.7129

Deuteranopia

33.5024, 32.8054, 45.1238



Tritanopia

42.3587, 32.7741, 27.7604

Trichromacy



Original Color

46.1991, 32.6577, 47.0486



Protanomaly

36.6088, 31.8741, 55.8526



Deuteranomaly

37.1760, 31.9539, 45.8033



Tritanomaly

43.5148, 32.6551, 34.1466

Monochromacy



Original Color

46.1991, 32.6577, 47.0486



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.3846, 32.7670, 40.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1991, 32.6577, 47.0486 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, 119, 180)` looks like.

```
.text, #text, p{  
    color:rgb(226, 119, 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(226, 119, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 119, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.1991, 32.6577, 47.0486 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, 119, 180) }
```


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

```
.border{ border-color:rgb(226, 119, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 119, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 119, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 119, 180);  
box-shadow:4px 4px 4px 4px rgb(226, 119,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1991, 32.6577, 47.0486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 119, 180) }
```

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

```
.background{ background-color: rgb(226,  
119, 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](#).

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