

Converting Colors

XYZ(46.7037, 33.3401, 45.4044)

Have a look what the booklet for
XYZ(46.7037, 33.3401, 45.4044)
contains.

XYZ(46.7681, 33.3430, 45.5659)	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(46.7681, 33.3430,
45.5659)**

Conversions

Conversions Part 1

Format	Color
Hex	E479B1
RGB	228, 121, 177
RGB Percent	89%, 47%, 69%
CMY	0.1059, 0.5255, 0.3059
CMYK	0.00, 0.47, 0.22, 0.11
HSL	329°, 66%, 68%
HSV	329°, 47%, 89%
XYZ	46.7681, 33.3430, 45.5659
YIQ	159.3770, 45.7960, 40.1000

Conversions

Conversions Part 2

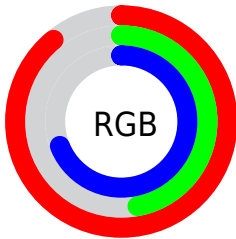
Format	Color
R_{YB}	228, 121, 177
Decimal	14973361
CIE _{Lab}	64.44, 48.02, -10.91
CIE _{LCh}	64, 49.246, 347.199
Yxy	33.3430, 0.3721, 0.2653
Android (android.graphics.Color)	4293163441 (0xFFE479B1)
YUV	159.3770, 8.6881, 60.1824
Hunter-Lab	57.7434, 43.5215, -6.3660

Details

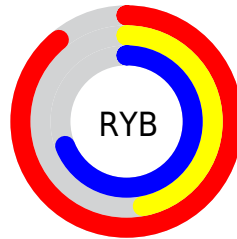
The XYZ color **46.7681, 33.3430, 45.5659** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.0765, 62.5313, 48.8320**, and the grayscale version is **33.0749, 34.7974, 37.8943**.

A 20% lighter version of the original color is **71.4733, 58.1939, 84.5563**, and **22.2828, 14.1355, 20.6228** is the 20% darker color. If you saturate the color by 10%, you get **43.2772, 28.0261, 39.2690**, and if you desaturate by 10%, it is **51.0019, 40.0070, 52.5368**.

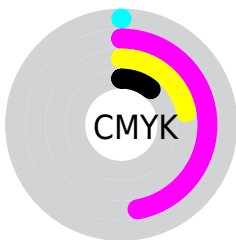
Distribution



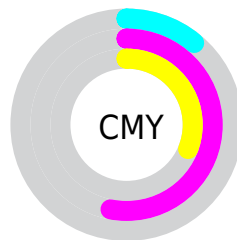
- Red (89%)
- Green (47%)
- Blue (69%)



- Red (89%)
- Yellow (47%)
- Blue (69%)



- Cyan (0%)
- Magenta (47%)
- Yellow (22%)
- Black (11%)





- Cyan (11%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7681, 33.3430, 45.5659 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 46.7681, 33.3430, 45.5659 by changing the saturation by 10% instead.


 46.7681, 33.3430,
45.5659

 46.7681, 33.3430,
45.5659


364.5525,
317.1925, 385.2874


 33.0595, 22.3893,
31.5572


 84.5882, 64.9107,
84.8964

 22.3315, 14.1433,
20.7615


 109.4305, 86.2935,
111.0553

 14.2187, 8.2204,
12.7602


 138.7147,
111.9214, 142.1013

 8.3556, 4.2363,
7.1349

172.8062,
142.1789, 178.4530

 4.3770, 1.8066,
3.4669

212.0704,
177.4504, 220.5289

 1.9176, 0.4913,
1.3377

256.8726,

 0.5870, 0.0000,

218.1202, 268.7476

0.0924

307.5782,
264.5728, 323.5276

■ 0.0000, 0.0000,
0.0000

■ 46.7681, 33.3430,
45.5659

■ 46.7681, 33.3430,
45.5659

■ 43.2772, 28.0261,
39.2690

■ 51.0019, 40.0070,
52.5368

■ 40.4775, 23.9569,
33.6180

■ 56.0200, 48.0987,
60.2039

■ 38.3148, 21.0303,
28.5849

■ 61.8638, 57.6977,
68.5908

■ 36.7248, 19.1209,
24.1377

■ 68.5710, 68.8765,
77.7188

■ 35.6251, 18.0678,
20.2378

■ 76.1771, 81.7030,
87.6085

■ 35.3443, 17.8338,
19.1339

■ 83.8133, 94.4374,
97.9788

■ 85.4968, 95.1107,
106.8436

■ 85.8051, 95.2341,
108.4673

Harmonies

Analogous

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



42.6681, 33.3430, 69.4326



46.7681, 33.3430, 45.5659



46.4213, 33.3430, 26.0279

Triad

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



46.7681, 33.3430, 45.5659



27.8639, 33.3430, 10.4748



23.3731, 33.3430, 72.7162

Complementary

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



46.7681, 33.3430, 45.5659



43.0765, 62.5313, 48.8320

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.



20.4625, 33.3430, 48.9832



46.7681, 33.3430, 45.5659



22.7801, 33.3430, 15.8572

Square

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



46.7681, 33.3430, 45.5659



34.7788, 33.3430, 10.1430



20.2628, 33.3430, 28.3922



28.7926, 33.3430, 88.5845

Rectangle

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



46.7681, 33.3430, 45.5659



43.7110, 33.3430, 17.5833



20.2628, 33.3430, 28.3922



22.1060, 33.3430, 65.0658

Sweetspot

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



46.7691, 33.3446, 45.5666



82.0800, 78.2518, 91.6541



37.6226, 27.9285, 76.8070



17.1839, 16.1109, 19.0856



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.



46.7691, 33.3446, 45.5666



56.0188, 36.4775, 51.0647



42.5076, 31.6400, 23.1259



14.6905, 14.4934, 16.5705



20.4693, 10.3220, 11.3664



1.5595, 0.7815, 1.0869

Inverse Universe

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



46.7691, 33.3446, 45.5666



56.0188, 36.4775, 51.0647



49.1431, 64.9579, 80.7781



14.6905, 14.4934, 16.5705



20.4693, 10.3220, 11.3664



1.5595, 0.7815, 1.0869

Previews

White Background



This preview shows how the XYZ color 46.7681, 33.3430, 45.5659 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 46.7681, 33.3430, 45.5659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

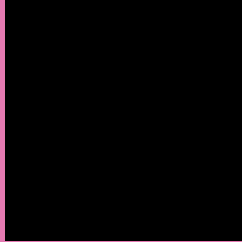
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7681, 33.3430, 45.5659

Background



This preview shows how black text looks on a background with the XYZ color 46.7681, 33.3430, 45.5659.



This preview shows how white text looks on a background with the XYZ color 46.7681, 33.3430,

45.5659.

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

46.7681, 33.3430, 45.5659

Protanopia

33.8237, 33.6326, 59.3526

Deuteranopia

34.1917, 33.4344, 43.6811



Tritanopia

43.1782, 33.3828, 28.2125

Trichromacy



Original Color

46.7681, 33.3430, 45.5659



Protanomaly

37.0161, 32.5647, 54.2038



Deuteranomaly

37.9039, 32.7971, 44.3771



Tritanomaly

44.1797, 33.1963, 33.7848

Monochromacy



Original Color

46.7681, 33.3430, 45.5659



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

36.7755, 33.1943, 40.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7681, 33.3430, 45.5659 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(228, 121, 177)` looks like.

```
.text, #text, p{  
    color:rgb(228, 121, 177)  
}
```

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(228, 121, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 121, 177) }
```

Border

The CSS property to change the border of an element to XYZ 46.7681, 33.3430, 45.5659 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(228, 121, 177) }
```


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

```
.border{ border-color:rgb(228, 121, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 121, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 121, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 121, 177); box-shadow:4px 4px 4px 4px rgb(228, 121, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7681, 33.3430, 45.5659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 121, 177) }
```

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

```
.background{ background-color: rgb(228,  
121, 177) }
```

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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