

Converting Colors

XYZ(45.5986, 30.8506, 32.4893)

Have a look what the booklet for
XYZ(45.5986, 30.8506, 32.4893)
contains.

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Color

**XYZ(45.4597, 30.7600,
32.3954)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6C96
RGB	236, 108, 150
RGB Percent	93%, 42%, 59%
CMY	0.0745, 0.5764, 0.4118
CMYK	0.00, 0.54, 0.36, 0.07
HSL	340°, 77%, 67%
HSV	340°, 54%, 93%
XYZ	45.4597, 30.7600, 32.3954
YIQ	151.0600, 62.8060, 40.1980

Conversions

Conversions Part 2

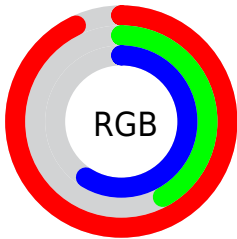
Format	Color
R_{YB}	236, 108, 150
Decimal	15494294
CIE _{Lab}	62.30, 53.50, 1.49
CIE _{LCh}	62, 53.522, 1.596
Yxy	30.7600, 0.4185, 0.2832
Android (android.graphics.Color)	4293684374 (0xFFEC6C96)
YUV	151.0600, -0.5226, 74.4924
Hunter-Lab	55.4617, 49.2512, 4.1917

Details

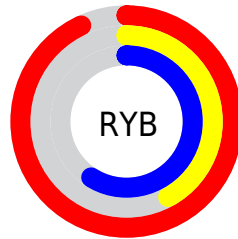
The XYZ color **45.4597, 30.7600, 32.3954** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **45.9191, 67.0750, 61.5696**, and the grayscale version is **29.4255, 30.9579, 33.7131**.

A 20% lighter version of the original color is **65.2363, 51.8140, 63.6895**, and **21.4297, 12.6772, 13.1218** is the 20% darker color. If you saturate the color by 10%, you get **42.1073, 25.9622, 25.3987**, and if you desaturate by 10%, it is **49.6601, 36.9771, 40.5279**.

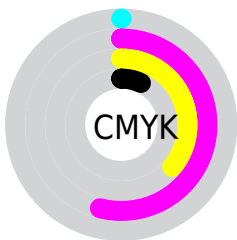
Distribution



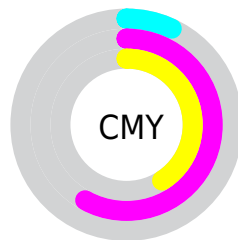
- Red (93%)
- Green (42%)
- Blue (59%)



- Red (93%)
- Yellow (42%)
- Blue (59%)



- Cyan (0%)
- Magenta (54%)
- Yellow (36%)
- Black (7%)





- Cyan (7%)
- Magenta (58%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4597, 30.7600, 32.3954 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 45.4597, 30.7600, 32.3954 by changing the saturation by 10% instead.


 45.4597, 30.7600,
32.3954


 45.4597, 30.7600,
32.3954


359.3846,
305.4311, 327.4646


 32.0225, 20.4162,
21.3964


 82.6426, 60.8620,
64.5355

 21.5343, 12.6979,
13.2200


 107.1191, 81.3890,
86.5137

 13.6298, 7.2209,
7.4477


 136.0060,
106.0791, 112.9887

 7.9436, 3.6006,
3.6610

 169.6687,
135.3168, 144.3790

 4.1104, 1.4528,
1.4413

208.4725,
169.4865, 181.1032

 1.7648, 0.2551,
0.1736

252.7829,

 0.4963, 0.0000,

208.9725, 223.5799

0.0000

302.9651,
254.1592, 272.2275

■ 0.0000, 0.0000,
0.0000

■ 45.4597, 30.7600,
32.3954

■ 45.4597, 30.7600,
32.3954

■ 42.1073, 25.9622,
25.3987

■ 49.6601, 36.9771,
40.5279

■ 39.5377, 22.4647,
19.4812

■ 54.7621, 44.7103,
49.8452

■ 37.6798, 20.1368,
14.5832

■ 60.8174, 54.0534,
60.3954

■ 36.4468, 18.8177,
10.6367

■ 67.8731, 65.0913,
72.2231

■ 35.9469, 18.3748,
8.7530

■ 75.9733, 77.9027,
85.3707

■ 85.1591, 92.5617,
99.8785

■ 88.4021, 96.5729,
108.5889

Harmonies

Analogous

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



43.2562, 30.7600, 56.2382



45.4597, 30.7600, 32.3954



42.7553, 30.7600, 16.6577

Triad

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



45.4597, 30.7600, 32.3954



22.5382, 30.7600, 9.7313



23.1069, 30.7600, 82.1676

Complementary

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



45.4597, 30.7600, 32.3954



45.9191, 67.0750, 61.5696

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.



18.9178, 30.7600, 58.9962



45.4597, 30.7600, 32.3954



18.6296, 30.7600, 17.8930

Square

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



45.4597, 30.7600, 32.3954



28.8509, 30.7600, 7.3697



17.4208, 30.7600, 34.6139



29.6255, 30.7600, 91.1726

Rectangle

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



45.4597, 30.7600, 32.3954



38.7555, 30.7600, 10.9708



17.4208, 30.7600, 34.6139



21.4196, 30.7600, 75.4086

Sweetspot

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



45.4605, 30.7616, 32.3960



79.2834, 75.0329, 83.4020



42.5817, 28.1644, 82.5490



16.5862, 15.4584, 17.2130



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.



45.4605, 30.7616, 32.3960



49.8391, 30.4488, 29.4884



45.1943, 34.7059, 18.5063



15.2692, 15.1355, 16.7031



19.8676, 10.1497, 5.1044



1.6030, 0.8142, 0.6266

Inverse Universe

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



45.4605, 30.7616, 32.3960



49.8391, 30.4488, 29.4884



45.5416, 57.6767, 88.0895



15.2692, 15.1355, 16.7031



19.8676, 10.1497, 5.1044



1.6030, 0.8142, 0.6266

Previews

White Background



This preview shows how the XYZ color 45.4597, 30.7600, 32.3954 looks on a white background.

Color Contrast Check

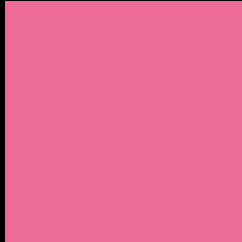
Large Text (above 18pt) WCAG AA × Fail

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 45.4597, 30.7600, 32.3954 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 45.4597, 30.7600, 32.3954

Background



This preview shows how black text looks on a background with the XYZ color 45.4597, 30.7600, 32.3954.



This preview shows how white text looks on a background with the XYZ color 45.4597, 30.7600,

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

45.4597, 30.7600, 32.3954

Protanopia

30.4983, 31.0188, 44.9372

Deuteranopia

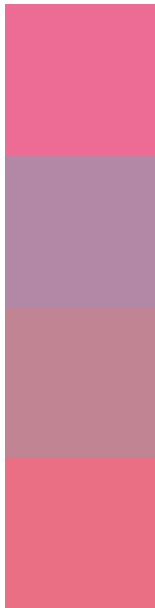
31.4614, 30.8962, 30.6909



Tritanopia

43.2880, 30.6832, 21.7301

Trichromacy



Original Color

45.4597, 30.7600, 32.3954

Protanomaly

34.1373, 29.6648, 40.0030

Deuteranomaly

35.4319, 29.9153, 31.1009

Tritanomaly

44.1102, 30.6970, 25.4300

Monochromacy



Original Color

45.4597, 30.7600, 32.3954

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.5413, 29.5074, 33.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4597, 30.7600, 32.3954 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, 108, 150)` looks like.

```
.text, #text, p{  
    color:rgb(236, 108, 150)  
}
```

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, 108, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 108, 150) }
```

Border

The CSS property to change the border of an element to XYZ 45.4597, 30.7600, 32.3954 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, 108, 150) }
```


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

```
.border{ border-color:rgb(236, 108, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 108, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 108, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 108, 150);  
box-shadow:4px 4px 4px 4px rgb(236, 108,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4597, 30.7600, 32.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 108, 150) }
```

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

```
.background{ background-color: rgb(236,  
108, 150) }
```

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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