

Converting Colors

XYZ(45.5726, 30.4025, 36.4884)

Have a look what the booklet for
XYZ(45.5726, 30.4025, 36.4884)
contains.

XYZ(45.6730, 30.4734, 36.2756)	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(45.6730, 30.4734,
36.2756)**

Conversions

Conversions Part 1

Format	Color
Hex	EB6A9F
RGB	235, 106, 159
RGB Percent	92%, 42%, 62%
CMY	0.0784, 0.5843, 0.3765
CMYK	0.00, 0.55, 0.32, 0.08
HSL	335°, 76%, 67%
HSV	335°, 55%, 92%
XYZ	45.6730, 30.4734, 36.2756
YIQ	150.6130, 59.8710, 43.8310

Conversions

Conversions Part 2

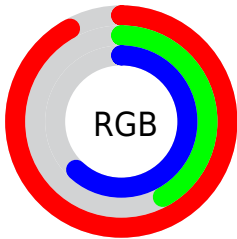
Format	Color
R _Y B	235, 106, 159
Decimal	15428255
CIE Lab	62.06, 55.16, -4.06
CIE LCh	62, 55.312, 355.789
Yxy	30.4734, 0.4063, 0.2711
Android (android.graphics.Color)	4293618335 (0xFFEB6A9F)
YUV	150.6130, 4.1348, 74.0074
Hunter-Lab	55.2027, 51.0806, -0.3196

Details

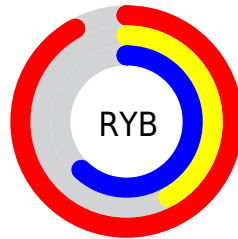
The XYZ color **45.6730, 30.4734, 36.2756** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **44.0973, 65.8591, 54.6475**, and the grayscale version is **29.2162, 30.7377, 33.4734**.

A 20% lighter version of the original color is **66.1225, 51.6048, 70.0940**, and **21.7519, 12.5940, 15.4718** is the 20% darker color. If you saturate the color by 10%, you get **42.4395, 25.8227, 29.5982**, and if you desaturate by 10%, it is **49.7062, 36.5078, 43.8841**.

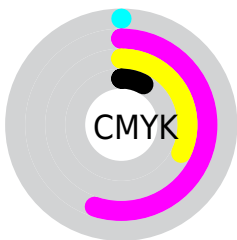
Distribution



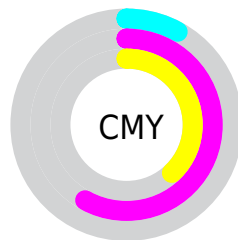
- Red (92%)
- Green (42%)
- Blue (62%)



- Red (92%)
- Yellow (42%)
- Blue (62%)



- Cyan (0%)
- Magenta (55%)
- Yellow (32%)
- Black (8%)





- Cyan (8%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6730, 30.4734, 36.2756 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 45.6730, 30.4734, 36.2756 by changing the saturation by 10% instead.


 45.6730, 30.4734,
36.2756


 45.6730, 30.4734,
36.2756

360.2304,
304.1049, 345.2373

 32.1914, 20.1982,
24.3557


 82.9603, 60.4100,
70.6311


 21.6640, 12.5392,
15.3831


 107.4966, 80.8402,
93.9038

 13.7254, 7.1120,
8.9391


 136.4486,
105.4242, 121.7978

 8.0104, 3.5322,
4.6052

 170.1816,
134.5464, 154.7317

 4.1534, 1.4155,
1.9629

209.0609,
168.5912, 193.1241

 1.7893, 0.2281,
0.5323

253.4519,

 0.5112, 0.0000,

207.9429, 237.3935

0.0000

303.7200,
252.9860, 287.9584

■ 0.0000, 0.0000,
0.0000

■ 45.6730, 30.4734,
36.2756

■ 45.6730, 30.4734,
36.2756

■ 42.4395, 25.8227,
29.5982

■ 49.7062, 36.5078,
43.8841

■ 39.9431, 22.4380,
23.8086

■ 54.5901, 44.0217,
52.4608

■ 38.1153, 20.1896,
18.8610


■ 60.3743, 53.1074,
62.0422


■ 36.8719, 18.9171,
14.7032

■ 67.1036, 63.8487,
72.6625

■ 36.3975, 18.5168,
12.8538

■ 74.8198, 76.3231,
84.3538

 83.5622, 90.6034,
97.1470

 88.0710, 96.4022,
108.5734

Harmonies

Analogous

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



42.4555, 30.4734, 61.9051



45.6730, 30.4734, 36.2756



43.8233, 30.4734, 18.3749

Triad

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



45.6730, 30.4734, 36.2756



23.1833, 30.4734, 8.2949



21.6523, 30.4734, 79.8120

Complementary

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



45.6730, 30.4734, 36.2756



44.0973, 65.8591, 54.6475

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.



17.9123, 30.4734, 54.3505



45.6730, 30.4734, 36.2756



18.6844, 30.4734, 15.0850

Square

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



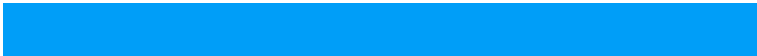
45.6730, 30.4734, 36.2756



30.0256, 30.4734, 6.8191



16.9262, 30.4734, 30.2664



27.9279, 30.4734, 92.9859

Rectangle

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



45.6730, 30.4734, 36.2756



40.1099, 30.4734, 11.6472



16.9262, 30.4734, 30.2664



20.1018, 30.4734, 71.9895

Sweetspot

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



45.6739, 30.4750, 36.2762



79.7556, 75.2218, 85.8886



39.2657, 26.1621, 81.5777



16.6982, 15.5032, 17.8023



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.



45.6739, 30.4750, 36.2762



50.6113, 30.4229, 34.5870



43.1959, 31.3689, 17.4157



15.3220, 15.1567, 16.9811



20.3167, 10.3294, 7.4688



1.6421, 0.8298, 0.8327

Inverse Universe

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



45.6739, 30.4750, 36.2762



50.6113, 30.4229, 34.5870



47.6632, 62.5090, 88.1508



15.3220, 15.1567, 16.9811



20.3167, 10.3294, 7.4688



1.6421, 0.8298, 0.8327

Previews

White Background



This preview shows how the XYZ color 45.6730, 30.4734, 36.2756 looks on a white background.

Color Contrast Check

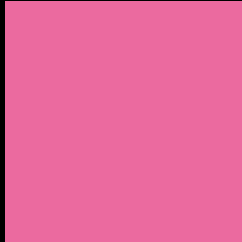
Large Text (above 18pt) WCAG AA × Fail

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 45.6730, 30.4734, 36.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

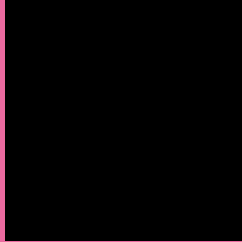
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6730, 30.4734, 36.2756

Background



This preview shows how black text looks on a background with the XYZ color 45.6730, 30.4734, 36.2756.



This preview shows how white text looks on a background with the XYZ color 45.6730, 30.4734,

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

45.6730, 30.4734, 36.2756

Protanopia

30.7657, 30.7908, 50.7761

Deuteranopia

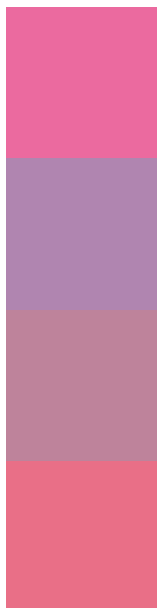
31.3385, 30.7502, 34.4207



Tritanopia

42.8089, 30.5956, 22.0616

Trichromacy



Original Color

45.6730, 30.4734, 36.2756

Protanomaly

34.1285, 29.1398, 44.9001

Deuteranomaly

35.2679, 29.5463, 34.8545

Tritanomaly

43.6619, 30.4418, 26.4963

Monochromacy



Original Color

45.6730, 30.4734, 36.2756

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.7881, 29.6061, 34.5056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6730, 30.4734, 36.2756 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(235, 106, 159)` looks like.

```
.text, #text, p{  
    color:rgb(235, 106, 159)  
}
```

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(235, 106, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 106, 159) }
```

Border

The CSS property to change the border of an element to XYZ 45.6730, 30.4734, 36.2756 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(235, 106, 159) }
```


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

```
.border{ border-color:rgb(235, 106, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 106, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 106, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 106, 159);  
box-shadow:4px 4px 4px 4px rgb(235, 106,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6730, 30.4734, 36.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 106, 159) }
```

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

```
.background{ background-color: rgb(235,  
106, 159) }
```

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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