

Converting Colors

XYZ(46.5600, 32.3817, 38.2587)

Have a look what the booklet for
XYZ(46.5600, 32.3817, 38.2587)
contains.

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Color

**XYZ(46.6733, 32.3982,
38.4439)**

Conversions

Conversions Part 1

Format	Color
Hex	EA73A3
RGB	234, 115, 163
RGB Percent	92%, 45%, 64%
CMY	0.0824, 0.5490, 0.3608
CMYK	0.00, 0.51, 0.30, 0.08
HSL	336°, 74%, 68%
HSV	336°, 51%, 92%
XYZ	46.6733, 32.3982, 38.4439
YIQ	156.0530, 55.5160, 40.1560

Conversions

Conversions Part 2

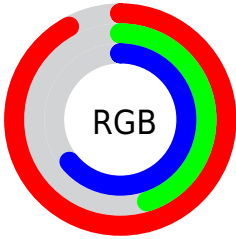
Format	Color
RYB	234, 115, 163
Decimal	15365027
CIELab	63.67, 51.06, -3.99
CIElCh	64, 51.218, 355.527
Yxy	32.3982, 0.3972, 0.2757
Android (android.graphics.Color)	4293555107 (0xFFEA73A3)
YUV	156.0530, 3.4249, 68.3595
Hunter-Lab	56.9194, 46.7591, -0.2014

Details

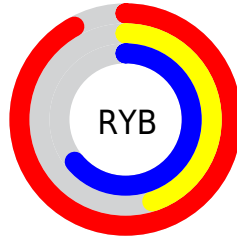
The XYZ color **46.6733, 32.3982, 38.4439** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **45.3576, 66.0365, 56.8135**, and the grayscale version is **31.5924, 33.2377, 36.1958**.

A 20% lighter version of the original color is **68.2696, 55.0714, 73.3613**, and **22.2172, 13.5991, 16.4928** is the 20% darker color. If you saturate the color by 10%, you get **43.1529, 27.2499, 31.4354**, and if you desaturate by 10%, it is **51.0108, 38.9592, 46.4069**.

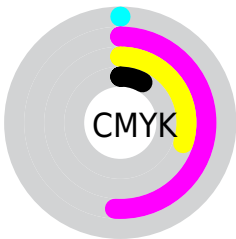
Distribution



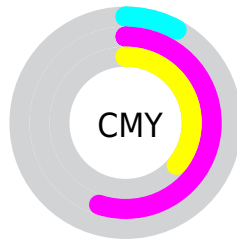
- Red (92%)
- Green (45%)
- Blue (64%)



- Red (92%)
- Yellow (45%)
- Blue (64%)



- Cyan (0%)
- Magenta (51%)
- Yellow (30%)
- Black (8%)




- Cyan (8%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6733, 32.3982, 38.4439 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 46.6733, 32.3982, 38.4439 by changing the saturation by 10% instead.


 46.6733, 32.3982,
38.4439


 46.6733, 32.3982,
38.4439


364.1797,
312.9292, 354.8755


 32.9843, 21.6658,
26.0229


 84.4475, 63.4348,
73.9990

 22.2736, 13.6116,
16.6148


 109.2634, 84.5079,
97.9701

 14.1758, 7.8510,
9.8012


 138.5190,
109.7966, 126.6284

 8.3256, 3.9998,
5.1635

172.5796,
139.6854, 160.3923

 4.3575, 1.6734,
2.2831

211.8106,
174.5586, 199.6804

 1.9063, 0.4064,
0.7217

256.5774,

 0.5805, 0.0000,

214.8008, 244.9113

0.0000

307.2453,
260.7962, 296.5035

■ 0.0000, 0.0000,
0.0000

■ 46.6733, 32.3982,
38.4439

■ 46.6733, 32.3982,
38.4439

■ 43.1529, 27.2499,
31.4354

■ 51.0108, 38.9592,
46.4069

■ 40.3900, 23.4032,
25.3385

■ 56.2138, 47.0234,
55.3605

■ 38.3211, 20.7378,
20.1092

■ 62.3298, 56.6793,
65.3411

■ 36.8694, 19.1086,
15.6972

■ 69.4022, 68.0072,
76.3823

■ 35.9693, 18.3075,
12.3173

■ 77.4713, 81.0819,
88.5164

■ 86.4453, 95.7139,
101.7305

■ 87.7418, 96.2325,
108.5580

Harmonies

Analogous

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



43.6059, 32.3982, 62.6561



46.6733, 32.3982, 38.4439



44.9750, 32.3982, 20.8576

Triad

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



46.6733, 32.3982, 38.4439



25.2295, 32.3982, 10.3056



23.6347, 32.3982, 78.8300

Complementary

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



46.6733, 32.3982, 38.4439



45.3576, 66.0365, 56.8135

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.



19.9587, 32.3982, 55.1592



46.6733, 32.3982, 38.4439



20.7743, 32.3982, 17.3235

Square

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



46.6733, 32.3982, 38.4439



31.8806, 32.3982, 8.7484



18.9986, 32.3982, 32.2873



29.7314, 32.3982, 91.0508

Rectangle

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



46.6733, 32.3982, 38.4439



41.4898, 32.3982, 13.9460



18.9986, 32.3982, 32.2873



22.1144, 32.3982, 71.5898

Sweetspot

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



46.6742, 32.3998, 38.4445



80.5792, 76.5932, 87.0132



40.8507, 28.4457, 81.1797



16.8592, 15.7727, 18.0178



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.



46.6742, 32.3998, 38.4445



52.2830, 32.8845, 37.8621



44.3505, 33.3781, 20.3267



15.3172, 15.1547, 16.9558



20.2712, 10.3112, 7.2293



1.6383, 0.8283, 0.8124

Inverse Universe

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



46.6742, 32.3998, 38.4445



52.2830, 32.8845, 37.8621



48.6007, 62.9424, 87.4297



15.3172, 15.1547, 16.9558



20.2712, 10.3112, 7.2293



1.6383, 0.8283, 0.8124

Previews

White Background



This preview shows how the XYZ color 46.6733, 32.3982, 38.4439 looks on a white background.

Color Contrast Check

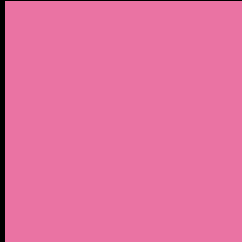
Large Text (above 18pt) WCAG AA × Fail

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 46.6733, 32.3982, 38.4439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

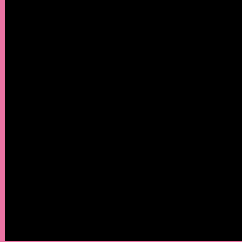
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6733, 32.3982, 38.4439

Background



This preview shows how black text looks on a background with the XYZ color 46.6733, 32.3982, 38.4439.



This preview shows how white text looks on a background with the XYZ color 46.6733, 32.3982,

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

46.6733, 32.3982, 38.4439

Protanopia

32.3935, 32.5734, 51.5937

Deuteranopia

33.1406, 32.5718, 36.4386



Tritanopia

43.8216, 32.2754, 25.0392

Trichromacy



Original Color

46.6733, 32.3982, 38.4439

Protanomaly

35.8589, 31.2633, 46.2639

Deuteranomaly

36.9419, 31.6010, 36.9534

Tritanomaly

44.7580, 32.3025, 29.4672

Monochromacy



Original Color

46.6733, 32.3982, 38.4439

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.5500, 31.7433, 37.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6733, 32.3982, 38.4439 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(234, 115, 163)` looks like.

```
.text, #text, p{  
    color:rgb(234, 115, 163)  
}
```

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(234, 115, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 115, 163) }
```

Border

The CSS property to change the border of an element to XYZ 46.6733, 32.3982, 38.4439 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(234, 115, 163) }
```


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

```
.border{ border-color:rgb(234, 115, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 115, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 115, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 115, 163);  
box-shadow:4px 4px 4px 4px rgb(234, 115,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6733, 32.3982, 38.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 115, 163) }
```

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

```
.background{ background-color: rgb(234,  
115, 163) }
```

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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