

Converting Colors

XYZ(46.3851, 29.8803, 39.5037)

Have a look what the booklet for
XYZ(46.3851, 29.8803, 39.5037)
contains.

XYZ(46.3652, 29.8720, 39.3986)	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(46.3652, 29.8720,
39.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	ED64A6
RGB	237, 100, 166
RGB Percent	93%, 39%, 65%
CMY	0.0706, 0.6078, 0.3490
CMYK	0.00, 0.58, 0.30, 0.07
HSL	331°, 79%, 66%
HSV	331°, 58%, 93%
XYZ	46.3652, 29.8720, 39.3986
YIQ	148.4870, 60.4660, 49.5700

Conversions

Conversions Part 2

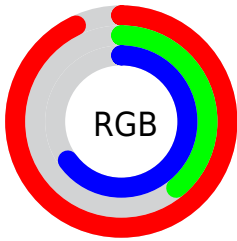
Format	Color
R _Y B	237, 100, 166
Decimal	15557798
CIE Lab	61.54, 59.36, -8.82
CIE LCh	62, 60.012, 351.546
Yxy	29.8720, 0.4010, 0.2583
Android (android.graphics.Color)	4293747878 (0xFFED64A6)
YUV	148.4870, 8.6339, 77.6259
Hunter-Lab	54.6553, 55.7785, -4.4809

Details

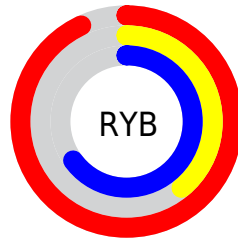
The XYZ color **46.3652, 29.8720, 39.3986** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **42.8920, 66.2189, 49.0524**, and the grayscale version is **28.3001, 29.7740, 32.4238**.

A 20% lighter version of the original color is **66.1796, 50.2574, 74.6192**, and **22.1903, 12.2658, 17.1176** is the 20% darker color. If you saturate the color by 10%, you get **43.3401, 25.5396, 33.0941**, and if you desaturate by 10%, it is **50.1606, 35.5724, 46.4914**.

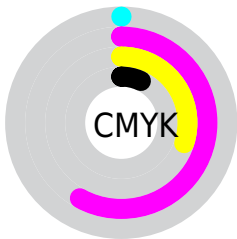
Distribution



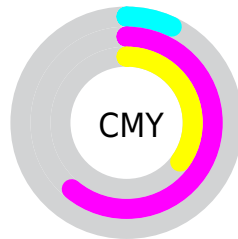
- Red (93%)
- Green (39%)
- Blue (65%)



- Red (93%)
- Yellow (39%)
- Blue (65%)



- Cyan (0%)
- Magenta (58%)
- Yellow (30%)
- Black (7%)





- Cyan (7%)
- Magenta (61%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3652, 29.8720, 39.3986 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 46.3652, 29.8720, 39.3986 by changing the saturation by 10% instead.


 46.3652, 29.8720,
39.3986


 46.3652, 29.8720,
39.3986

362.9663,
301.3074, 359.0586


 32.7399, 19.7415,
26.7597


 83.9898, 59.4597,
75.4739


 22.0856, 12.2072,
17.1620


 108.7199, 79.6856,
99.7474

 14.0368, 6.8850,
10.1869


 137.8823,
104.0455, 128.7362

 8.2281, 3.3903,
5.4158

 171.8423,
132.9237, 162.8589

 4.2943, 1.3387,
2.4303

210.9654,
166.7045, 202.5339

 1.8699, 0.1709,
0.8029

255.6168,

 0.5593, 0.0000,

205.7725, 248.1798

0.0000

306.1620,
250.5120, 300.2152

■ 0.0000, 0.0000,
0.0000

■ 46.3652, 29.8720,
39.3986

■ 46.3652, 29.8720,
39.3986

■ 43.3401, 25.5396,
33.0941

■ 50.1606, 35.5724,
46.4914

■ 41.0206, 22.4512,
27.5407

■ 54.7787, 42.7415,
54.4034

■ 39.3348, 20.4678,
22.6992

■ 60.2700, 51.4756,
63.1654

■ 38.1849, 19.3989,
18.5209

■ 66.6800, 61.8617,
72.8057

■ 37.9721, 19.2234,
17.6795

■ 74.0510, 73.9800,
83.3511

■ 82.4226, 87.9058,
94.8273

■ 88.2531, 96.5517,
106.0656

■ 88.7352, 96.7446,
108.6045

Harmonies

Analogous

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



42.1317, 29.8720, 68.0740



46.3652, 29.8720, 39.3986



45.1249, 29.8720, 18.9461

Triad

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



46.3652, 29.8720, 39.3986



23.1381, 29.8720, 6.4285



19.9042, 29.8720, 80.2945

Complementary

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



46.3652, 29.8720, 39.3986



42.8920, 66.2189, 49.0524

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.



16.4111, 29.8720, 51.4083



46.3652, 29.8720, 39.3986



18.0211, 29.8720, 12.1835

Square

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



46.3652, 29.8720, 39.3986



30.7006, 29.8720, 5.5907



15.7927, 29.8720, 26.5022



26.2030, 29.8720, 97.9305

Rectangle

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



46.3652, 29.8720, 39.3986



41.4452, 29.8720, 11.2665



15.7927, 29.8720, 26.5022



18.4158, 29.8720, 71.0801

Sweetspot

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



46.3661, 29.8735, 39.3992



79.3374, 74.0287, 86.8489



36.5922, 23.8642, 82.7987



16.6319, 15.2746, 18.0762



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.



46.3661, 29.8735, 39.3992



50.7233, 29.5327, 38.0591



42.0058, 28.4848, 15.3426



15.3677, 15.1749, 17.2218



20.7970, 10.5215, 9.9981



1.6815, 0.8456, 1.0400

Inverse Universe

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



46.3661, 29.8735, 39.3992



50.7233, 29.5327, 38.0591



50.1699, 68.0791, 90.6174



15.3677, 15.1749, 17.2218



20.7970, 10.5215, 9.9981



1.6815, 0.8456, 1.0400

Previews

White Background



This preview shows how the XYZ color 46.3652, 29.8720, 39.3986 looks on a white background.

Color Contrast Check

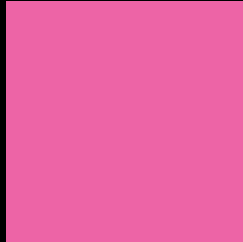
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3652, 29.8720, 39.3986 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 × Fail

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

XYZ 46.3652, 29.8720, 39.3986

Background



This preview shows how black text looks on a background with the XYZ color 46.3652, 29.8720, 39.3986.



This preview shows how white text looks on a background with the XYZ color 46.3652, 29.8720,

39.3986.

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

46.3652, 29.8720, 39.3986

Protanopia

30.6184, 30.0956, 57.6213

Deuteranopia

30.6815, 30.1249, 36.9985



Tritanopia

42.4502, 29.7835, 20.6510

Trichromacy



Original Color

46.3652, 29.8720, 39.3986

Protanomaly

33.8588, 28.2811, 50.1286

Deuteranomaly

34.8654, 28.8739, 37.9180

Tritanomaly

43.4589, 29.5498, 26.3348

Monochromacy



Original Color

46.3652, 29.8720, 39.3986

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.8551, 28.3025, 34.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3652, 29.8720, 39.3986 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(237, 100, 166)` looks like.

```
.text, #text, p{  
    color:rgb(237, 100, 166)  
}
```

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(237, 100, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 100, 166) }
```

Border

The CSS property to change the border of an element to XYZ 46.3652, 29.8720, 39.3986 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(237, 100, 166) }
```


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

```
.border{ border-color:rgb(237, 100, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 100, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 100, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 100, 166);  
box-shadow:4px 4px 4px 4px rgb(237, 100,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3652, 29.8720, 39.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 100, 166) }
```

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

```
.background{ background-color: rgb(237,  
100, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor