

Converting Colors

XYZ(47.5387, 29.3817, 36.4311)

Have a look what the booklet for
XYZ(47.5387, 29.3817, 36.4311)
contains.

XYZ(47.3945, 29.2533, 36.4062)	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(47.3945, 29.2533,
36.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	F45BA0
RGB	244, 91, 160
RGB Percent	96%, 36%, 63%
CMY	0.0431, 0.6431, 0.3725
CMYK	0.00, 0.63, 0.34, 0.04
HSL	333°, 87%, 66%
HSV	333°, 63%, 96%
XYZ	47.3945, 29.2533, 36.4062
YIQ	144.6130, 69.0390, 53.8950

Conversions

Conversions Part 2

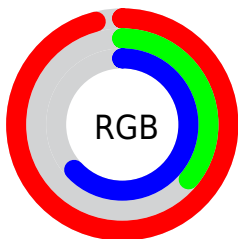
Format	Color
RYB	244, 91, 160
Decimal	16014240
CIELab	61.00, 64.57, -6.05
CIElCh	61, 64.857, 354.649
Yxy	29.2533, 0.4192, 0.2588
Android (android.graphics.Color)	4294204320 (0xFFFF45BA0)
YUV	144.6130, 7.5858, 87.1624
Hunter-Lab	54.0863, 61.7641, -2.0484

Details

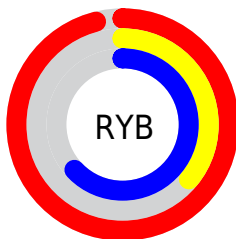
The XYZ color **47.3945, 29.2533, 36.4062** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **44.4046, 70.0215, 51.7367**, and the grayscale version is **26.7087, 28.0996, 30.6005**.

A 20% lighter version of the original color is **64.0956, 47.3461, 70.0505**, and **22.8541, 11.9477, 15.5696** is the 20% darker color. If you saturate the color by 10%, you get **44.5277, 25.2952, 29.9767**, and if you desaturate by 10%, it is **51.0671, 34.6205, 43.7280**.

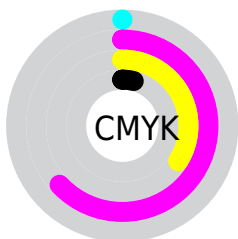
Distribution



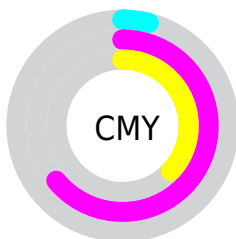
- Red (96%)
- Green (36%)
- Blue (63%)



- Red (96%)
- Yellow (36%)
- Blue (63%)



- Cyan (0%)
- Magenta (63%)
- Yellow (34%)
- Black (4%)





- Cyan (4%)
- Magenta (64%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3945, 29.2533, 36.4062 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 47.3945, 29.2533, 36.4062 by changing the saturation by 10% instead.

 47.3945, 29.2533,
36.4062


 47.3945, 29.2533,
36.4062


367.0097,
298.4082, 345.8235


 33.5569, 19.2725,
24.4559


 85.5174, 58.4793,
70.8347


 22.7147, 11.8674,
15.4568


 110.5333, 78.4933,
94.1499

 14.5025, 6.6534,
8.9905


 140.0061,
102.6205, 122.0905

 8.5550, 3.2463,
4.6382

 174.3010,
131.2453, 155.0751

 4.5069, 1.2616,
1.9816

213.7835,
164.7520, 193.5221

 1.9927, 0.1112,
0.5439

258.8189,

 0.6299, 0.0000,

203.5252, 237.8502

0.0000

309.7725,
247.9491, 288.4778

■ 0.0000, 0.0000,
0.0000

■ 47.3945, 29.2533,
36.4062

■ 47.3945, 29.2533,
36.4062

■ 44.5277, 25.2952,
29.9767

■ 51.0671, 34.6205,
43.7280

■ 42.3916, 22.6031,
24.3939

■ 55.6060, 41.5124,
51.9802

■ 40.9002, 21.0110,
19.6089

■ 61.0688, 50.0378,
61.2002

■ 40.1246, 20.3596,
16.5762

■ 67.5068, 60.2941,
71.4225

■ 74.9677, 72.3711,
82.6795

83.4958, 86.3523,
95.0022

90.9221, 97.8947,
107.6830

91.1183, 97.9731,
108.7160

Harmonies

Analogous

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



43.3297, 29.2533, 67.2125



47.3945, 29.2533, 36.4062



45.4050, 29.2533, 16.0806

Triad

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



47.3945, 29.2533, 36.4062



21.5456, 29.2533, 5.4749



19.4000, 29.2533, 87.1095

Complementary

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



47.3945, 29.2533, 36.4062



44.4046, 70.0215, 51.7367

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.



15.4656, 29.2533, 55.5560



47.3945, 29.2533, 36.4062



16.5165, 29.2533, 11.7583

Square

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



47.3945, 29.2533, 36.4062



29.3522, 29.2533, 4.3158



14.5287, 29.2533, 27.6941



26.3120, 29.2533, 104.5980

Rectangle

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



47.3945, 29.2533, 36.4062



41.0866, 29.2533, 9.0204



14.5287, 29.2533, 27.6941



17.7460, 29.2533, 77.2075

Sweetspot

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



47.3953, 29.2548, 36.4067



77.5030, 71.2915, 83.3651



37.2171, 22.8544, 88.0379



16.1024, 14.4752, 17.0997



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.



47.3953, 29.2548, 36.4067



48.5639, 27.1005, 31.5233



43.3897, 28.3741, 13.0893



16.8098, 16.6068, 18.7449



21.8842, 11.0971, 9.3647



1.9745, 0.9957, 1.0919

Inverse Universe

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



47.3953, 29.2548, 36.4067



48.5639, 27.1005, 31.5233



51.4818, 70.4310, 96.4693



16.8098, 16.6068, 18.7449



21.8842, 11.0971, 9.3647



1.9745, 0.9957, 1.0919

Previews

White Background



This preview shows how the XYZ color 47.3945, 29.2533, 36.4062 looks on a white background.

Color Contrast Check

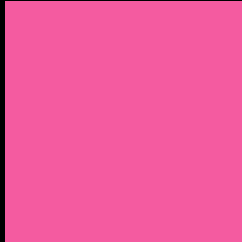
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.3945, 29.2533, 36.4062 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 47.3945, 29.2533, 36.4062

Background



This preview shows how black text looks on a background with the XYZ color 47.3945, 29.2533, 36.4062.



This preview shows how white text looks on a background with the XYZ color 47.3945, 29.2533,

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

47.3945, 29.2533, 36.4062

Protanopia

30.0742, 29.6116, 56.3551

Deuteranopia

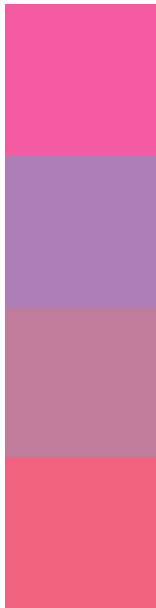
29.9872, 29.3855, 33.7972



Tritanopia

43.4469, 29.1321, 17.8012

Trichromacy



Original Color

47.3945, 29.2533, 36.4062

Protanomaly

33.4637, 27.3393, 48.3130

Deuteranomaly

34.6099, 27.8582, 34.5634

Tritanomaly

44.5396, 28.9946, 23.6711

Monochromacy



Original Color

47.3945, 29.2533, 36.4062

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.8947, 26.6930, 32.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3945, 29.2533, 36.4062 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(244, 91, 160)` looks like.

```
.text, #text, p{  
  color:rgb(244, 91, 160)  
}
```

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(244, 91, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 91, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.3945, 29.2533, 36.4062 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(244, 91, 160) }
```


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

```
.border{ border-color:rgb(244, 91, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 91, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 91, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 91, 160);  
box-shadow:4px 4px 4px 4px rgb(244, 91,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3945, 29.2533, 36.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 91, 160) }
```

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

```
.background{ background-color: rgb(244, 91,  
160) }
```

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