

Converting Colors

XYZ(46.1316, 27.3594, 41.2095)

Have a look what the booklet for
XYZ(46.1316, 27.3594, 41.2095)
contains.

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Color

**XYZ(46.3032, 27.5001,
41.3957)**

Conversions

Conversions Part 1

Format	Color
Hex	F052AB
RGB	240, 82, 171
RGB Percent	94%, 32%, 67%
CMY	0.0588, 0.6784, 0.3294
CMYK	0.00, 0.66, 0.29, 0.06
HSL	326°, 84%, 63%
HSV	326°, 66%, 94%
XYZ	46.3032, 27.5001, 41.3957
YIQ	139.3880, 65.5990, 61.1750

Conversions

Conversions Part 2

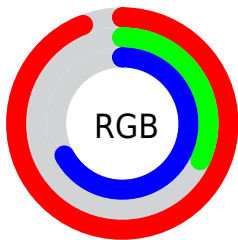
Format	Color
R _Y B	240, 82, 171
Decimal	15749803
CIE Lab	59.43, 68.28, -14.83
CIE LCh	59, 69.867, 347.747
Yxy	27.5001, 0.4019, 0.2387
Android (android.graphics.Color)	4293939883 (0xFFFF052AB)
YUV	139.3880, 15.5847, 88.2367
Hunter-Lab	52.4405, 65.8384, -10.0942

Details

The XYZ color **46.3032, 27.5001, 41.3957** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **40.2273, 66.3493, 39.9683**, and the grayscale version is **24.6155, 25.8974, 28.2023**.

A 20% lighter version of the original color is **64.3456, 45.5072, 77.3439**, and **22.1522, 11.0352, 18.4152** is the 20% darker color. If you saturate the color by 10%, you get **43.8395, 24.1086, 35.8391**, and if you desaturate by 10%, it is **49.4803, 32.1912, 47.5815**.

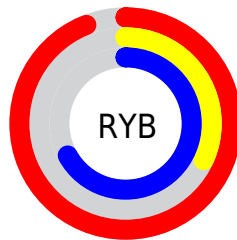
Distribution



Red (94%)

Green (32%)

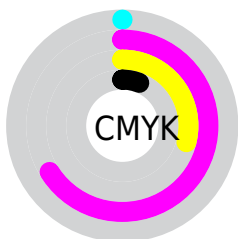
Blue (67%)



Red (94%)

Yellow (32%)

Blue (67%)

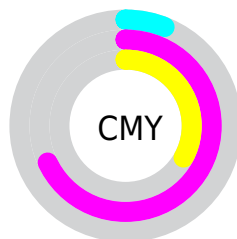


Cyan (0%)

Magenta (66%)

Yellow (29%)

Black (6%)



Cyan (6%)


Magenta (68%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3032, 27.5001, 41.3957 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 46.3032, 27.5001, 41.3957 by changing the saturation by 10% instead.


 46.3032, 27.5001,
41.3957


 46.3032, 27.5001,
41.3957

362.7218,
290.0704, 367.6972


 32.6908, 17.9492,
28.3064


 83.8977, 55.6853,
78.5444


 22.0478, 10.9135,
18.3157


 108.6104, 75.0884,
103.4409

 14.0088, 6.0087,
11.0051


 137.7540, 98.5444,
133.1101

 8.2085, 2.8504,
5.9560

 171.6938,
126.4375, 167.9707

 4.2816, 1.0541,
2.7500

210.7951,
159.1523, 208.4412

 1.8626, 0.0000,
0.9685

255.4233,

 0.5550, 0.0000,

197.0731, 254.9401

0.0000

305.9438,
240.5844, 307.8859

■ 0.0000, 0.0000,
0.0000

■ 46.3032, 27.5001,
41.3957

■ 46.3032, 27.5001,
41.3957

■ 43.8395, 24.1086,
35.8391

■ 49.4803, 32.1912,
47.5815

■ 42.0156, 21.8731,
30.8774

■ 53.4295, 38.2971,
54.4241


■ 40.7449, 20.6230,
26.4727


■ 58.2059, 45.9248,
61.9505


■ 40.3215, 20.2798,
24.7792

■ 63.8584, 55.1700,
70.1853

■ 70.4324, 66.1203,
79.1514

 77.9696, 78.8571,
88.8705

 86.5093, 93.4564,
99.3633

 89.7217, 97.2559,
108.5272

 89.7453, 97.2653,
108.6517

Harmonies

Analogous

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



40.6986, 27.5001, 75.5214



46.3032, 27.5001, 41.3957



45.6938, 27.5001, 17.5108

Triad

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



46.3032, 27.5001, 41.3957



21.3310, 27.5001, 3.4877



16.3665, 27.5001, 81.7460

Complementary

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



46.3032, 27.5001, 41.3957



40.2273, 66.3493, 39.9683

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.



13.1506, 27.5001, 47.1924



46.3032, 27.5001, 41.3957



15.5447, 27.5001, 7.8049

Square

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



46.3032, 27.5001, 41.3957



29.8794, 27.5001, 3.2099



12.8879, 27.5001, 20.8252



22.7228, 27.5001, 106.1863

Rectangle

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



46.3032, 27.5001, 41.3957



41.8531, 27.5001, 9.0517



12.8879, 27.5001, 20.8252



14.9504, 27.5001, 70.2640

Sweetspot

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



46.3040, 27.5015, 41.3962



77.5018, 70.3133, 86.3733



31.4109, 18.8561, 84.4225



16.1375, 14.2994, 17.8697



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.



46.3040, 27.5015, 41.3962



49.5153, 26.6474, 39.1029



40.9088, 25.3434, 12.9854



16.1457, 15.9080, 18.3236



22.1406, 11.1287, 13.9229



1.8918, 0.9458, 1.4210

Inverse Universe

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



46.3040, 27.5015, 41.3962



49.5153, 26.6474, 39.1029



48.8489, 69.7980, 85.3693



16.1457, 15.9080, 18.3236



22.1406, 11.1287, 13.9229



1.8918, 0.9458, 1.4210

Previews

White Background



This preview shows how the XYZ color 46.3032, 27.5001, 41.3957 looks on a white background.

Color Contrast Check

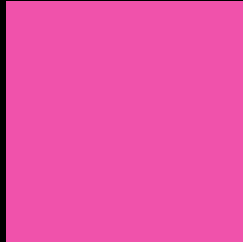
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3032, 27.5001, 41.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

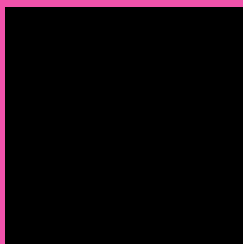
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.3032, 27.5001, 41.3957

Background



This preview shows how black text looks on a background with the XYZ color 46.3032, 27.5001, 41.3957.



This preview shows how white text looks on a background with the XYZ color 46.3032, 27.5001,

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

46.3032, 27.5001, 41.3957

Protanopia

29.1429, 27.7758, 66.7761

Deuteranopia

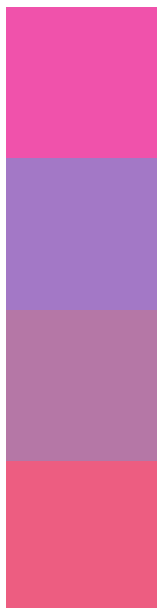
28.2017, 27.6964, 38.5099



Tritanopia

41.2726, 27.6058, 16.5177

Trichromacy



Original Color

46.3032, 27.5001, 41.3957

Protanomaly

32.0138, 25.2967, 56.6215

Deuteranomaly

32.5358, 25.7706, 39.3358

Tritanomaly

42.8019, 27.4182, 23.8052

Monochromacy



Original Color

46.3032, 27.5001, 41.3957

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

29.9688, 24.4213, 32.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3032, 27.5001, 41.3957 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(240, 82, 171)` looks like.

```
.text, #text, p{  
    color:rgb(240, 82, 171)  
}
```

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(240, 82, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 82, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.3032, 27.5001, 41.3957 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(240, 82, 171) }
```


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

```
.border{ border-color:rgb(240, 82, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 82, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 82, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 82, 171);  
box-shadow:4px 4px 4px 4px rgb(240, 82,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3032, 27.5001, 41.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 82, 171) }
```

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

```
.background{ background-color: rgb(240, 82,  
171) }
```

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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