

Converting Colors

XYZ(51.4042, 34.9634, 47.0805)

Have a look what the booklet for
XYZ(51.4042, 34.9634, 47.0805)
contains.

XYZ(51.5617, 35.0726, 47.2321)	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(51.5617, 35.0726,
47.2321)**

Conversions

Conversions Part 1

Format	Color
Hex	F375B4
RGB	243, 117, 180
RGB Percent	95%, 46%, 71%
CMY	0.0471, 0.5411, 0.2941
CMYK	0.00, 0.52, 0.26, 0.05
HSL	330°, 84%, 71%
HSV	330°, 52%, 95%
XYZ	51.5617, 35.0726, 47.2321
YIQ	161.8560, 54.8730, 46.3050

Conversions

Conversions Part 2

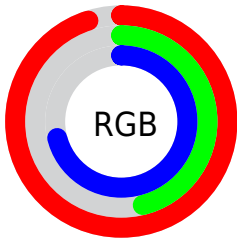
Format	Color
R _Y B	243, 117, 180
Decimal	15955380
CIE Lab	65.81, 55.18, -10.36
CIE LCh	66, 56.141, 349.371
Yxy	35.0726, 0.3852, 0.2620
Android (android.graphics.Color)	4294145460 (0xFFFF375B4)
YUV	161.8560, 8.9450, 71.1633
Hunter-Lab	59.2221, 51.7722, -5.8307

Details

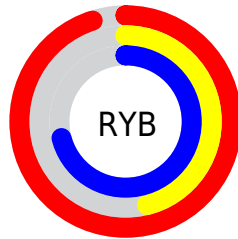
The XYZ color **51.5617, 35.0726, 47.2321** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.6267, 71.1794, 54.4125**, and the grayscale version is **34.2180, 36.0000, 39.2040**.

A 20% lighter version of the original color is **71.3239, 57.2033, 86.6390**, and **25.3206, 15.1679, 21.6718** is the 20% darker color. If you saturate the color by 10%, you get **47.9049, 29.6537, 40.1715**, and if you desaturate by 10%, it is **56.0638, 42.0077, 55.1106**.

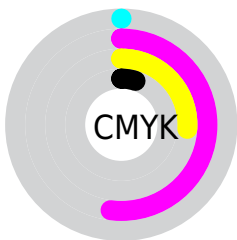
Distribution



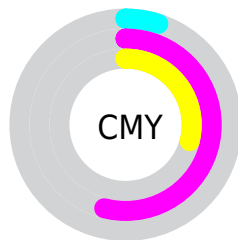
- Red (95%)
- Green (46%)
- Blue (71%)



- Red (95%)
- Yellow (46%)
- Blue (71%)



- Cyan (0%)
- Magenta (52%)
- Yellow (26%)
- Black (5%)





- Cyan (5%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5617, 35.0726, 47.2321 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 51.5617, 35.0726, 47.2321 by changing the saturation by 10% instead.


 51.5617, 35.0726,
47.2321


 51.5617, 35.0726,
47.2321


383.0940,
324.8887, 392.1608


 36.8787, 23.7188,
32.8635


 91.6626, 67.5982,
87.4136

 25.2868, 15.1252,
21.7517


 117.8112, 89.5388,
114.0636

 16.4207, 8.9073,
13.4780


 148.5123,
115.7772, 145.6444

 9.9151, 4.6807,
7.6239

184.1314,
146.6977, 182.5747

 5.4045, 2.0612,
3.7709

225.0337,
182.6846, 225.2729

 2.5237, 0.6427,
1.5005

271.5847,

 0.9072, 0.0000,

224.1225, 274.1576

0.2183

324.1497,
271.3958, 329.6474

■ 0.0000, 0.0000,
0.0000

■ 51.5617, 35.0726,
47.2321

■ 51.5617, 35.0726,
47.2321

■ 47.9049, 29.6537,
40.1715

■ 56.0638, 42.0077,
55.1106

■ 45.0295, 25.6286,
33.8927

■ 61.4626, 50.5588,
63.8362

■ 42.8666, 22.8640,
28.3590

■ 67.8090, 60.8229,
73.4390

■ 41.3329, 21.1978,
23.5276

■ 75.1489, 72.8879,
83.9466

■ 40.4439, 20.4474,
20.0636

■ 83.5252, 86.8359,
95.3852

90.4367, 97.6605,
106.9326

90.7723, 97.7948,
108.6998

Harmonies

Analogous

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



46.9389, 35.0726, 76.2435



51.5617, 35.0726, 47.2321



50.7261, 35.0726, 24.9719

Triad

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



51.5617, 35.0726, 47.2321



28.3282, 35.0726, 9.3004



24.0050, 35.0726, 84.3048

Complementary

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



51.5617, 35.0726, 47.2321



47.6267, 71.1794, 54.4125

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.



20.4574, 35.0726, 55.3980



51.5617, 35.0726, 47.2321



22.6524, 35.0726, 15.5255

Square

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



51.5617, 35.0726, 47.2321



36.3595, 35.0726, 8.6163



20.0071, 35.0726, 30.3792



30.4839, 35.0726, 102.8277

Rectangle

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



51.5617, 35.0726, 47.2321



47.2219, 35.0726, 15.9504



20.0071, 35.0726, 30.3792



22.4791, 35.0726, 75.0335

Sweetspot

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



51.5627, 35.0743, 47.2328



80.2747, 75.4294, 88.6222



41.3631, 28.8991, 88.1924



16.8215, 15.5525, 18.4520



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.



51.5627, 35.0743, 47.2328



53.3366, 32.9234, 44.5900



46.5357, 33.0635, 20.7610



16.8447, 16.6207, 18.9287



22.2651, 11.2495, 11.3701



2.0087, 1.0095, 1.2725

Inverse Universe

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



51.5627, 35.0743, 47.2328



53.3366, 32.9234, 44.5900



55.5655, 74.3550, 96.2177



16.8447, 16.6207, 18.9287



22.2651, 11.2495, 11.3701



2.0087, 1.0095, 1.2725

Previews

White Background



This preview shows how the XYZ color 51.5617, 35.0726, 47.2321 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 51.5617, 35.0726, 47.2321 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 51.5617, 35.0726, 47.2321

Background



This preview shows how black text looks on a background with the XYZ color 51.5617, 35.0726, 47.2321.



This preview shows how white text looks on a background with the XYZ color 51.5617, 35.0726,

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

51.5617, 35.0726, 47.2321

Protanopia

35.8159, 35.5534, 64.6493

Deuteranopia

36.1060, 35.3790, 44.9702



Tritanopia

47.4306, 35.0217, 27.1817

Trichromacy



Original Color

51.5617, 35.0726, 47.2321



Protanomaly

39.4577, 33.9688, 57.9031



Deuteranomaly

40.5354, 34.3509, 45.5682



Tritanomaly

48.6041, 34.9255, 33.4577

Monochromacy



Original Color

51.5617, 35.0726, 47.2321



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

38.9262, 34.4987, 42.1434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5617, 35.0726, 47.2321 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(243, 117, 180)` looks like.

```
.text, #text, p{  
    color:rgb(243, 117, 180)  
}
```

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(243, 117, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 117, 180) }
```

Border

The CSS property to change the border of an element to XYZ 51.5617, 35.0726, 47.2321 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(243, 117, 180) }
```


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

```
.border{ border-color:rgb(243, 117, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 117, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 117, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 117, 180);  
box-shadow:4px 4px 4px 4px rgb(243, 117,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5617, 35.0726, 47.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 117, 180) }
```

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

```
.background{ background-color: rgb(243,  
117, 180) }
```

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