

Converting Colors

XYZ(90.2020, 57.4029, 68.5874)

Have a look what the booklet for
XYZ(90.2020, 57.4029, 68.5874)
contains.

XYZ(61.3749, 42.5160, 67.2589)	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(61.3749, 42.5160,
67.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84D4
RGB	255, 132, 212
RGB Percent	100%, 52%, 83%
CMY	0.0000, 0.4823, 0.1686
CMYK	0.00, 0.48, 0.17, 0.00
HSL	321°, 100%, 76%
HSV	321°, 48%, 100%
XYZ	61.3749, 42.5160, 67.2589
YIQ	177.8970, 47.6280, 50.9560

Conversions

Conversions Part 2

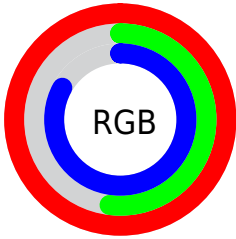
Format	Color
RYB	255, 132, 212
Decimal	16745684
CIELab	71.23, 56.20, -19.94
CIELCh	71, 59.632, 340.462
Yxy	42.5160, 0.3586, 0.2484
Android (android.graphics.Color)	4294935764 (0xFFFF84D4)
YUV	177.8970, 16.8128, 67.6193
Hunter-Lab	65.2043, 53.9093, -15.5152

Details

The XYZ color **61.3749, 42.5160, 67.2589** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **53.0153, 79.5215, 53.1156**, and the grayscale version is **42.1601, 44.3557, 48.3033**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **31.5046, 19.4778, 33.9974** is the 20% darker color. If you saturate the color by 10%, you get **57.2361, 35.9887, 60.4833**, and if you desaturate by 10%, it is **66.4228, 50.7618, 74.6449**.

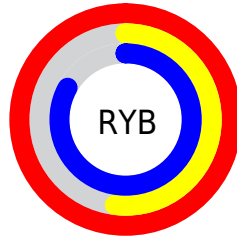
Distribution



Red (100%)

Green (52%)

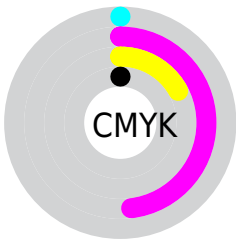
Blue (83%)



Red (100%)

Yellow (52%)

Blue (83%)

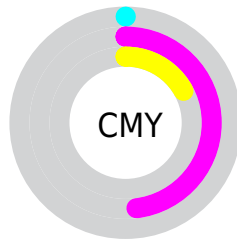


Cyan (0%)

Magenta (48%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3749, 42.5160, 67.2589 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 61.3749, 42.5160, 67.2589 by changing the saturation by 10% instead.


 61.3749, 42.5160,
67.2589


 61.3749, 42.5160,
67.2589


419.4012,
356.6175, 469.3923

 44.7815, 29.5055,
48.8321


 105.9166, 78.9800,
116.9355

 31.4859, 19.4636,
34.1217


 134.5956,
103.2023, 149.0224

 21.1228, 12.0057,
22.7090

 168.0339,
131.9307, 186.4997

 13.3267, 6.7476,
14.1755

206.5967,
165.5495, 229.7861

 7.7325, 3.3047,
8.1027

250.6495,
204.4432, 279.3000

 3.9746, 1.2928,
4.0720

300.5577,

 1.6878, 0.1356,

248.9962, 335.4600

1.6649

356.6864,
299.5928, 398.6846

■ 0.4486, 0.0000,
0.3365

■ 0.0000, 0.0000,
0.0000

■ 61.3749, 42.5160,
67.2589

■ 61.3749, 42.5160,
67.2589

■ 57.2361, 35.9887,
60.4833

■ 66.4228, 50.7618,
74.6449

■ 53.9397, 31.0486,
54.2896

■ 72.4341, 60.8335,
82.6626

■ 51.4144, 27.5544,
48.6493

■ 79.4621, 72.8363,
91.3352

■ 49.5747, 25.3370,
43.5289

■ 87.5554, 86.8658,
100.6833

■ 48.3034, 24.1636,
38.8841

95.0500, 100.0000,
108.9000

■ 48.1092, 24.0077,
38.1027

Harmonies

Analogous

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



54.2167, 42.5160, 102.1013



61.3749, 42.5160, 67.2589



62.4212, 42.5160, 36.9956

Triad

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



61.3749, 42.5160, 67.2589



37.0181, 42.5160, 10.5112



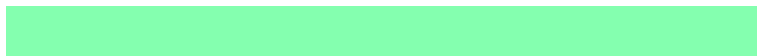
27.4751, 42.5160, 92.0136

Complementary

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



61.3749, 42.5160, 67.2589



53.0153, 79.5215, 53.1156

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.



24.2975, 42.5160, 57.0299



61.3749, 42.5160, 67.2589



29.1724, 42.5160, 15.7639

Square

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



61.3749, 42.5160, 67.2589



47.1877, 42.5160, 11.3731



24.8628, 42.5160, 30.2107



34.3148, 42.5160, 119.9994

Rectangle

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



61.3749, 42.5160, 67.2589



59.3533, 42.5160, 23.6108



24.8628, 42.5160, 30.2107



25.9989, 42.5160, 80.1991

Sweetspot

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



61.3760, 42.5179, 67.2597



82.7550, 78.5218, 95.2082



43.5368, 32.6092, 98.6073



17.3485, 16.1767, 19.9526



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.



61.3760, 42.5179, 67.2597



57.3226, 36.1220, 60.6342



55.2012, 40.0480, 34.7440



18.5071, 18.1862, 21.2877



25.2114, 12.5739, 20.2958



2.5065, 1.2450, 2.2486

Inverse Universe

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



61.3760, 42.5179, 67.2597



57.3226, 36.1220, 60.6342



60.2002, 82.3955, 90.9509



18.5071, 18.1862, 21.2877



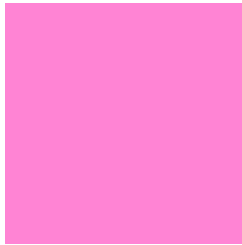
25.2114, 12.5739, 20.2958



2.5065, 1.2450, 2.2486

Previews

White Background



This preview shows how the XYZ color 61.3749, 42.5160, 67.2589 looks on a white background.

Color Contrast Check

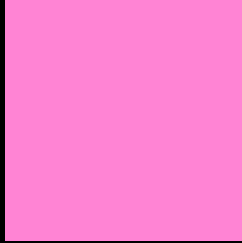
Large Text (above 18pt) WCAG AA × Fail

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 61.3749, 42.5160, 67.2589 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 61.3749, 42.5160, 67.2589

Background



This preview shows how black text looks on a background with the XYZ color 61.3749, 42.5160, 67.2589.



This preview shows how white text looks on a background with the XYZ color 61.3749, 42.5160,

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

61.3749, 42.5160, 67.2589

Protanopia

43.9561, 42.7259, 89.1493

Deuteranopia

43.7138, 42.8807, 63.7304



Tritanopia

54.9566, 42.4528, 36.3080

Trichromacy



Original Color

61.3749, 42.5160, 67.2589



Protanomaly

47.8258, 40.9035, 80.2374



Deuteranomaly

48.6190, 41.6471, 65.1507



Tritanomaly

56.9982, 42.4000, 46.2542

Monochromacy



Original Color

61.3749, 42.5160, 67.2589



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

47.4927, 42.3293, 54.3824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3749, 42.5160, 67.2589 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(255, 132, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 212)  
}
```

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(255, 132, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 212) }
```

Border

The CSS property to change the border of an element to XYZ 61.3749, 42.5160, 67.2589 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(255, 132, 212) }
```


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

```
.border{ border-color:rgb(255, 132, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3749, 42.5160, 67.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 212) }
```

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

```
.background{ background-color: rgb(255,  
132, 212) }
```

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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