

Converting Colors

XYZ(65.9501, 47.4427, 81.8053)

Have a look what the booklet for
XYZ(65.9501, 47.4427, 81.8053)
contains.

XYZ(65.9309, 47.3370, 82.0059)	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(65.9309, 47.3370,
82.0059)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91E8
RGB	255, 145, 232
RGB Percent	100%, 57%, 91%
CMY	0.0000, 0.4313, 0.0902
CMYK	0.00, 0.43, 0.09, 0.00
HSL	313°, 100%, 78%
HSV	313°, 43%, 100%
XYZ	65.9309, 47.3370, 82.0059
YIQ	187.8080, 37.6330, 50.3770

Conversions

Conversions Part 2

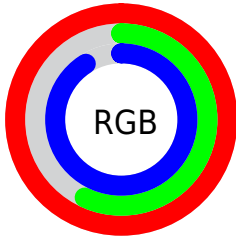
Format	Color
R _Y B	255, 145, 232
Decimal	16749032
CIE Lab	74.40, 52.93, -26.10
CIE LCh	74, 59.016, 333.756
Yxy	47.3370, 0.3376, 0.2424
Android (android.graphics.Color)	4294939112 (0xFFFF91E8)
YUV	187.8080, 21.7867, 58.9274
Hunter-Lab	68.8019, 50.6482, -22.5072

Details

The XYZ color **65.9309, 47.3370, 82.0059** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.5065, 80.3677, 49.6882**, and the grayscale version is **47.5577, 50.0344, 54.4874**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **34.3425, 22.3525, 43.5787** is the 20% darker color. If you saturate the color by 10%, you get **61.7167, 40.1023, 76.9213**, and if you desaturate by 10%, it is **71.0445, 56.3335, 87.5049**.

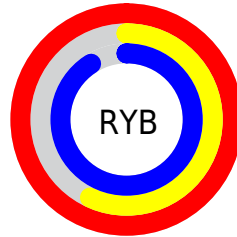
Distribution



Red (100%)

Green (57%)

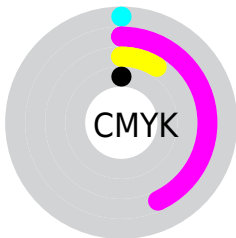
Blue (91%)



Red (100%)

Yellow (57%)

Blue (91%)

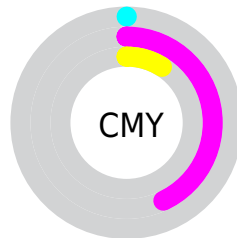


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9309, 47.3370, 82.0059 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 65.9309, 47.3370, 82.0059 by changing the saturation by 10% instead.


 65.9309, 47.3370,
82.0059


 65.9309, 47.3370,
82.0059


435.6222,
376.1581, 521.5514

 48.4838, 33.3021,
60.8346


 112.4454, 86.2164,
138.0190

 34.4230, 22.3580,
43.6620

 142.2436,
111.8298, 173.6979

 23.3832, 14.1202,
30.0696


176.8895,
142.0715, 215.0497

 14.9990, 8.2043,
19.6389

216.7484,
177.3258, 262.4929

 8.9050, 4.2260,
11.9514

262.1858,
217.9773, 316.4462

 4.7359, 1.8007,
6.5884

313.5670,

 2.1263, 0.4876,

264.4102, 377.3280

3.1316

371.2574,
317.0090, 445.5569

■ 0.7034, 0.0000,
1.1622

■ 0.0000, 0.0000,
0.0000

■ 65.9309, 47.3370,
82.0059

■ 65.9309, 47.3370,
82.0059

■ 61.7167, 40.1023,
76.9213

■ 71.0445, 56.3335,
87.5049

■ 58.3393, 34.5050,
72.2275

■ 77.1084, 67.1935,
93.4343

■ 55.7332, 30.4139,
67.9021

■ 84.1731, 80.0177,
99.8127

■ 53.8210, 27.6750,
63.9184

■ 92.2847, 94.8982,
106.6564

■ 52.5091, 26.1010,
60.2442

95.0500, 100.0000,
108.9000

■ 51.8629, 25.5092,
57.8693

Harmonies

Analogous

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



57.3342, 47.3370, 117.1468



65.9309, 47.3370, 82.0059



68.6287, 47.3370, 47.8007

Triad

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



65.9309, 47.3370, 82.0059



43.6663, 47.3370, 12.4145



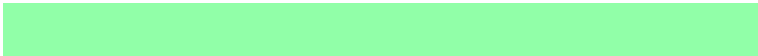
30.0468, 47.3370, 91.3975

Complementary

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



65.9309, 47.3370, 82.0059



54.5065, 80.3677, 49.6882

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.



27.5215, 47.3370, 55.4735



65.9309, 47.3370, 82.0059



34.5625, 47.3370, 16.5818

Square

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



65.9309, 47.3370, 82.0059



54.6506, 47.3370, 14.8453



29.0351, 47.3370, 29.7464



36.5449, 47.3370, 123.9033

Rectangle

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



65.9309, 47.3370, 82.0059



66.4158, 47.3370, 31.3715



29.0351, 47.3370, 29.7464



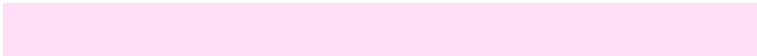
28.7560, 47.3370, 78.9071

Sweetspot

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



65.9320, 47.3389, 82.0068



84.2754, 80.2045, 99.9019



44.1138, 35.6887, 99.1713



17.6850, 16.5227, 21.0730



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.



65.9320, 47.3389, 82.0068



62.1517, 40.8387, 77.4783



59.4027, 44.7272, 47.6241



18.6204, 18.2315, 21.8841



27.1559, 13.3516, 30.5350



2.6830, 1.3156, 3.1779

Inverse Universe

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



65.9320, 47.3389, 82.0068



62.1517, 40.8387, 77.4783



60.6232, 82.8143, 81.8981



18.6204, 18.2315, 21.8841



27.1559, 13.3516, 30.5350



2.6830, 1.3156, 3.1779

Previews

White Background



This preview shows how the XYZ color 65.9309, 47.3370, 82.0059 looks on a white background.

Color Contrast Check

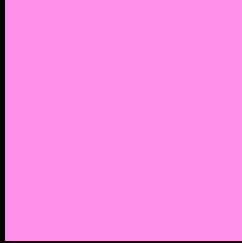
Large Text (above 18pt) WCAG AA × Fail

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 65.9309, 47.3370, 82.0059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

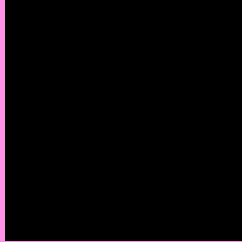
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9309, 47.3370, 82.0059

Background



This preview shows how black text looks on a background with the XYZ color 65.9309, 47.3370, 82.0059.



This preview shows how white text looks on a background with the XYZ color 65.9309, 47.3370,

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

65.9309, 47.3370, 82.0059

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

48.8711, 47.8368, 78.6091



Tritanopia

58.1940, 47.3125, 44.0953

Trichromacy



Original Color

65.9309, 47.3370, 82.0059



Protanomaly

53.2968, 46.3228, 94.1278



Deuteranomaly

53.5544, 46.5043, 79.5524



Tritanomaly

60.8005, 47.1420, 56.3468

Monochromacy



Original Color

65.9309, 47.3370, 82.0059



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

52.8030, 47.8617, 63.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9309, 47.3370, 82.0059 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, 145, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 232)  
}
```

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, 145, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 232) }
```

Border

The CSS property to change the border of an element to XYZ 65.9309, 47.3370, 82.0059 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, 145, 232) }
```


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

```
.border{ border-color:rgb(255, 145, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 145, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 145, 232); box-shadow:4px 4px 4px 4px rgb(255, 145, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9309, 47.3370, 82.0059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 232) }
```

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

```
.background{ background-color: rgb(255,  
145, 232) }
```

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