

Converting Colors

XYZ(66.0679, 47.4775, 82.4630)

Have a look what the booklet for
XYZ(66.0679, 47.4775, 82.4630)
contains.

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Color

**XYZ(66.0734, 47.3940,
82.7563)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91E9
RGB	255, 145, 233
RGB Percent	100%, 57%, 91%
CMY	0.0000, 0.4313, 0.0863
CMYK	0.00, 0.43, 0.09, 0.00
HSL	312°, 100%, 78%
HSV	312°, 43%, 100%
XYZ	66.0734, 47.3940, 82.7563
YIQ	187.9220, 37.3120, 50.6880

Conversions

Conversions Part 2

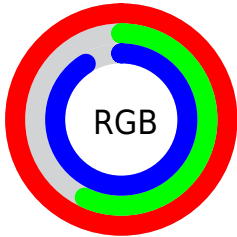
Format	Color
R_{YB}	255, 145, 233
Decimal	16749033
CIE _{Lab}	74.44, 53.10, -26.59
CIE _{LCh}	74, 59.380, 333.401
Yxy	47.3940, 0.3367, 0.2415
Android (android.graphics.Color)	4294939113 (0xFFFF91E9)
YUV	187.9220, 22.2235, 58.8274
Hunter-Lab	68.8433, 50.8423, -23.0820

Details

The XYZ color **66.0734, 47.3940, 82.7563** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4137, 80.3305, 49.1993**, and the grayscale version is **47.6200, 50.0999, 54.5588**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **34.4418, 22.3923, 44.1018** is the 20% darker color. If you saturate the color by 10%, you get **61.8870, 40.1704, 77.8184**, and if you desaturate by 10%, it is **71.1573, 56.3786, 88.0985**.

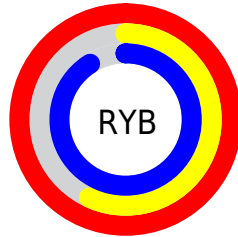
Distribution



Red (100%)

Green (57%)

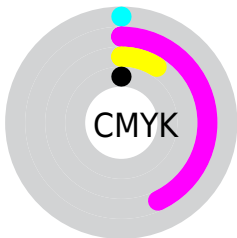
Blue (91%)



Red (100%)

Yellow (57%)

Blue (91%)

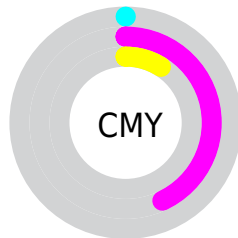


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.0734, 47.3940, 82.7563 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 66.0734, 47.3940, 82.7563 by changing the saturation by 10% instead.


 66.0734, 47.3940,
82.7563


 66.0734, 47.3940,
82.7563


436.1238,
376.3850, 524.1237

 48.5999, 33.3472,
61.4497


 112.6488, 86.3014,
139.0803

 34.5154, 22.3926,
44.1553

 142.4815,
111.9309, 174.9347

 23.4546, 14.1456,
30.4545


177.1645,
142.1901, 216.4755

 15.0521, 8.2220,
19.9289

217.0634,
177.4633, 264.1212

 8.9425, 4.2374,
12.1598

262.5434,
218.1350, 318.2903

 4.7605, 1.8072,
6.7287

313.9699,

 2.1407, 0.4917,

264.5896, 379.4014

3.2172

371.7083,
317.2115, 447.8730

■ 0.7112, 0.0000,
1.2066

■ 0.0000, 0.0000,
0.0000

■ 66.0734, 47.3940,
82.7563

■ 66.0734, 47.3940,
82.7563

■ 61.8870, 40.1704,
77.8184

■ 71.1573, 56.3786,
88.0985

■ 58.5357, 34.5835,
73.2613

■ 77.1894, 67.2259,
93.8608

■ 55.9536, 30.5020,
69.0628

■ 84.2204, 80.0366,
100.0618

■ 54.0637, 27.7720,
65.1963

■ 92.2963, 94.9028,
106.7175

■ 52.7722, 26.2063,
61.6296

95.0500, 100.0000,
108.9000

■ 52.1390, 25.6196,
59.3232

Harmonies

Analogous

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



57.3551, 47.3940, 118.1248



66.0734, 47.3940, 82.7563



68.8779, 47.3940, 48.1851

Triad

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



66.0734, 47.3940, 82.7563



43.8364, 47.3940, 12.2907



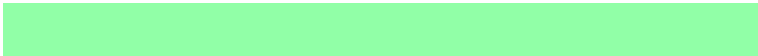
29.9543, 47.3940, 91.3361

Complementary

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



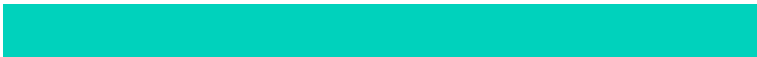
66.0734, 47.3940, 82.7563



54.4137, 80.3305, 49.1993

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.



27.4642, 47.3940, 55.1809



66.0734, 47.3940, 82.7563



34.6384, 47.3940, 16.3760

Square

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



66.0734, 47.3940, 82.7563



54.9061, 47.3940, 14.8022



29.0336, 47.3940, 29.4529



36.4442, 47.3940, 124.3040

Rectangle

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



66.0734, 47.3940, 82.7563



66.7022, 47.3940, 31.5526



29.0336, 47.3940, 29.4529



28.6728, 47.3940, 78.7378

Sweetspot

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



66.0745, 47.3959, 82.7572



84.3222, 80.2232, 100.1485



44.1138, 35.6887, 99.1713



17.6967, 16.5274, 21.1344



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.



66.0745, 47.3959, 82.7572



62.3190, 40.9056, 78.3593



59.4027, 44.7272, 47.6241



18.6278, 18.2344, 21.9231



27.2985, 13.4087, 31.2860



2.6957, 1.3206, 3.2448

Inverse Universe

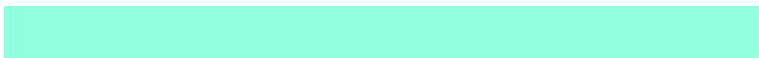
The Inverse Universe completely reimagines the original color for something new.



66.0745, 47.3959, 82.7572



62.3190, 40.9056, 78.3593



60.6232, 82.8143, 81.8981



18.6278, 18.2344, 21.9231



27.2985, 13.4087, 31.2860



2.6957, 1.3206, 3.2448

Previews

White Background



This preview shows how the XYZ color 66.0734, 47.3940, 82.7563 looks on a white background.

Color Contrast Check

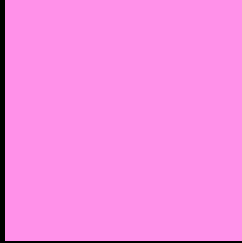
Large Text (above 18pt) WCAG AA × Fail

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 66.0734, 47.3940, 82.7563 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 66.0734, 47.3940, 82.7563

Background



This preview shows how black text looks on a background with the XYZ color 66.0734, 47.3940, 82.7563.



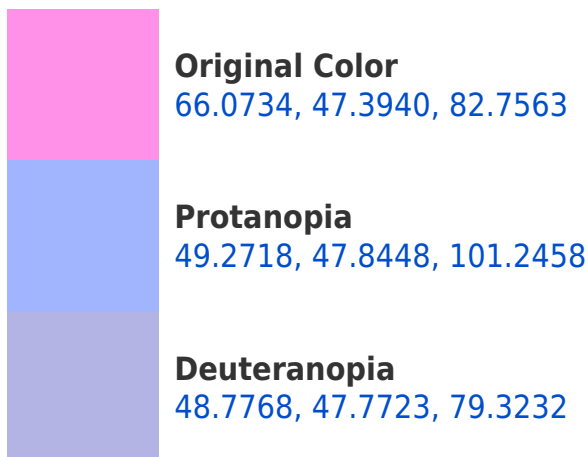
This preview shows how white text looks on a background with the XYZ color 66.0734, 47.3940,

82.7563.

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





Tritanopia

58.1940, 47.3125, 44.0953

Trichromacy



Original Color

66.0734, 47.3940, 82.7563



Protanomaly

53.2968, 46.3228, 94.1278



Deuteranomaly

53.6937, 46.5600, 80.2857



Tritanomaly

60.8005, 47.1420, 56.3468

Monochromacy



Original Color

66.0734, 47.3940, 82.7563



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 66.0734, 47.3940, 82.7563 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 233) }
```

Border

The CSS property to change the border of an element to XYZ 66.0734, 47.3940, 82.7563 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, 233) }
```


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

```
.border{ border-color:rgb(255, 145, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0734, 47.3940, 82.7563 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
145, 233) }
```

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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