

Converting Colors

XYZ(80.1630, 62.0324, 97.4408)

Have a look what the booklet for
XYZ(80.1630, 62.0324, 97.4408)
contains.

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Color

**XYZ(73.6689, 58.7595,
97.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFF9
RGB	255, 175, 249
RGB Percent	100%, 69%, 98%
CMY	0.0000, 0.3137, 0.0235
CMYK	0.00, 0.31, 0.02, 0.00
HSL	304°, 100%, 84%
HSV	304°, 31%, 100%
XYZ	73.6689, 58.7595, 97.0815
YIQ	207.3560, 23.9260, 39.9740

Conversions

Conversions Part 2

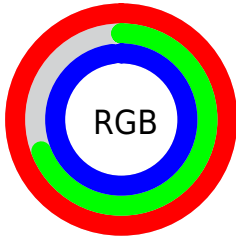
Format	Color
R _Y B	255, 175, 249
Decimal	16756729
CIE Lab	81.16, 40.50, -24.98
CIE LCh	81, 47.583, 328.333
Yxy	58.7595, 0.3210, 0.2560
Android (android.graphics.Color)	4294946809 (0xFFFFAFF9)
YUV	207.3560, 20.5305, 41.7838
Hunter-Lab	76.6547, 37.4013, -21.4311

Details

The XYZ color **73.6689, 58.7595, 97.0815** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.7814, 83.9710, 56.6704**, and the grayscale version is **59.3999, 62.4933, 68.0552**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **39.3778, 29.3508, 53.4590** is the 20% darker color. If you saturate the color by 10%, you get **68.8698, 49.6361, 94.0184**, and if you desaturate by 10%, it is **79.4105, 69.7628, 100.4754**.

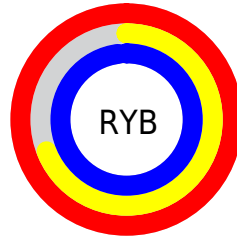
Distribution



Red (100%)

Green (69%)

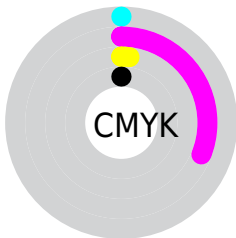
Blue (98%)



Red (100%)

Yellow (69%)

Blue (98%)

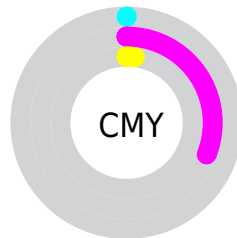


Cyan (0%)

Magenta (31%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6689, 58.7595, 97.0815 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 73.6689, 58.7595, 97.0815 by changing the saturation by 10% instead.


 73.6689, 58.7595,
97.0815

 73.6689, 58.7595,
97.0815


462.3978,
420.0101, 571.9611

 54.8134, 42.4195,
73.2622


 123.4244,
103.0280, 159.1574

 39.4856, 29.4299,
53.6973

155.0550,
131.7254, 198.2511

 27.3201, 19.4063,
37.9681


191.6748,
165.3107, 243.2732

 17.9516, 11.9642,
25.6563

233.6491,
204.1684, 294.6425

 11.0147, 6.7193,
16.3433

281.3431,
248.6827, 352.7774

 6.1441, 3.2872,
9.6104


335.1224,


 2.9744, 1.2834,

299.2382, 418.0964


5.0392

395.3522,
356.2192, 491.0181


 1.1402, 0.1283,
2.2111


 0.0584, 0.0000,
0.6808


 73.6689, 58.7595,
97.0815

 73.6689, 58.7595,
97.0815


 68.8698, 49.6361,
94.0184

 79.4105, 69.7628,
100.4754

 64.9568, 42.2801,
91.2648

 86.1398, 82.7366,
104.2127

 61.8727, 36.5773,
88.8024

 93.9032, 97.7739,
108.3097

 59.5527, 32.3978,
86.6095

95.0500, 100.0000,
108.9000

■ 57.9219, 29.5917,
84.6612

■ 56.8903, 27.9793,
82.9273

■ 56.3625, 27.3090,
81.5637

Harmonies

Analogous

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



65.3798, 58.7595, 124.9660



73.6689, 58.7595, 97.0815



77.1208, 58.7595, 65.5784

Triad

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



73.6689, 58.7595, 97.0815



56.4048, 58.7595, 23.4912



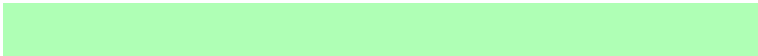
40.7128, 58.7595, 93.4987

Complementary

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



73.6689, 58.7595, 97.0815



61.7814, 83.9710, 56.6704

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.



38.8998, 58.7595, 62.4060



73.6689, 58.7595, 97.0815



47.2929, 58.7595, 26.9887

Square

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



73.6689, 58.7595, 97.0815



66.4511, 58.7595, 27.8908



41.1630, 58.7595, 39.4131



46.4394, 58.7595, 122.5039

Rectangle

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



73.6689, 58.7595, 97.0815



75.9387, 58.7595, 48.3171



41.1630, 58.7595, 39.4131



39.6575, 58.7595, 82.7053

Sweetspot

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



73.6701, 58.7618, 97.0827



87.8848, 86.1110, 105.1507



52.2824, 47.6262, 101.0449



18.5802, 17.9850, 22.3828



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.



73.6701, 58.7618, 97.0827



70.3858, 52.5086, 95.0156



68.1628, 56.5589, 68.0817



18.7304, 18.2755, 22.4635



29.4754, 14.2795, 42.7495



2.8867, 1.3971, 4.2510

Inverse Universe

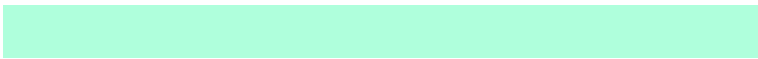
The Inverse Universe completely reimagines the original color for something new.



73.6701, 58.7618, 97.0827



70.3858, 52.5086, 95.0156



66.4033, 85.8197, 81.0086



18.7304, 18.2755, 22.4635



29.4754, 14.2795, 42.7495



2.8867, 1.3971, 4.2510

Previews

White Background



This preview shows how the XYZ color 73.6689, 58.7595, 97.0815 looks on a white background.

Color Contrast Check

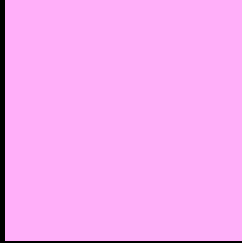
Large Text (above 18pt) WCAG AA × Fail

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 73.6689, 58.7595, 97.0815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

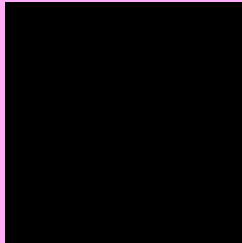
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.6689, 58.7595, 97.0815

Background



This preview shows how black text looks on a background with the XYZ color 73.6689, 58.7595, 97.0815.



This preview shows how white text looks on a background with the XYZ color 73.6689, 58.7595,

97.0815.

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

73.6689, 58.7595, 97.0815

Protanopia

59.1978, 59.0933, 102.8938

Deuteranopia

60.4949, 59.2601, 94.6361



Tritanopia

66.3692, 58.7779, 61.8801

Trichromacy



Original Color

73.6689, 58.7595, 97.0815



Protanomaly

63.5118, 58.3505, 100.8438



Deuteranomaly

64.5632, 58.6964, 95.1155



Tritanomaly

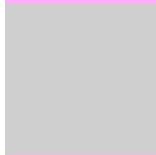
68.8319, 58.5667, 73.3223

Monochromacy



Original Color

73.6689, 58.7595, 97.0815



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

63.4404, 60.1514, 77.3740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6689, 58.7595, 97.0815 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, 175, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 249)  
}
```

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, 175, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 249) }
```

Border

The CSS property to change the border of an element to XYZ 73.6689, 58.7595, 97.0815 is called "border". The border property can be set on classes, ids or directly on the HTML element.

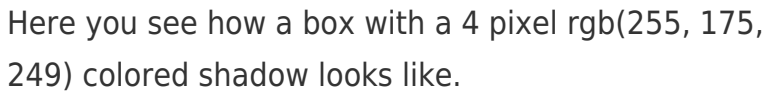
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 175, 249) }
```


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

```
.border{ border-color:rgb(255, 175, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 175, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 175, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 175, 249); box-shadow:4px 4px 4px 4px rgb(255, 175, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6689, 58.7595, 97.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 249) }
```

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

```
.background{ background-color: rgb(255,  
175, 249) }
```

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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