

Converting Colors

XYZ(67.8353, 50.5454, 95.2558)

Have a look what the booklet for
XYZ(67.8353, 50.5454, 95.2558)
contains.

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Color

**XYZ(67.8987, 50.6940,
95.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	F99CF8
RGB	249, 156, 248
RGB Percent	98%, 61%, 97%
CMY	0.0235, 0.3882, 0.0274
CMYK	0.00, 0.37, 0.00, 0.02
HSL	301°, 89%, 79%
HSV	301°, 37%, 98%
XYZ	67.8987, 50.6940, 95.0132
YIQ	194.2950, 25.8960, 48.3280

Conversions

Conversions Part 2

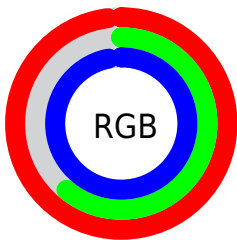
Format	Color
R _Y B	249, 156, 248
Decimal	16358648
CIE Lab	76.49, 48.29, -31.65
CIE LCh	76, 57.738, 326.761
Yxy	50.6940, 0.3179, 0.2373
Android (android.graphics.Color)	4294548728 (0xFFFF99CF8)
YUV	194.2950, 26.4766, 47.9763
Hunter-Lab	71.1997, 45.6247, -29.2803

Details

The XYZ color **67.8987, 50.6940, 95.0132** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.6740, 77.2554, 43.9841**, and the grayscale version is **51.2917, 53.9629, 58.7655**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **35.6412, 24.3407, 52.1099** is the 20% darker color. If you saturate the color by 10%, you get **64.0999, 43.1617, 93.5425**, and if you desaturate by 10%, it is **72.5573, 59.9435, 96.7719**.

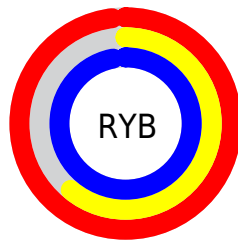
Distribution



Red (98%)

Green (61%)

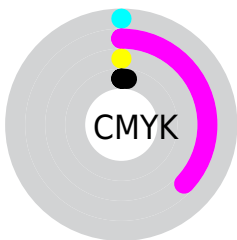
Blue (97%)



Red (98%)

Yellow (61%)

Blue (97%)

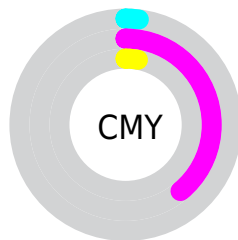


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (2%)


Magenta (39%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8987, 50.6940, 95.0132 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 67.8987, 50.6940, 95.0132 by changing the saturation by 10% instead.


 67.8987, 50.6940,
95.0132


 67.8987, 50.6940,
95.0132


442.5194,
389.3737, 565.1927

 50.0887, 35.9651,
71.5490

 115.2499, 91.2023,
156.2786

 35.7020, 24.4073,
52.3058

 145.5219,
117.7505, 194.9168

 24.3732, 15.6360,
36.8649


180.6785,
149.0073, 239.4502

 15.7369, 9.2670,
24.8080

221.0851,
185.3571, 290.2973

 9.4278, 4.9157,
15.7163

267.1072,
227.1842, 347.8765

 5.0806, 2.1979,
9.1715

319.1100,

 2.3299, 0.7188,

274.8731, 412.6064

4.7549

377.4590,
328.8081, 484.9056

■ 0.8099, 0.0000,
2.0479

■ 0.0000, 0.0000,
0.5845

■ 67.8987, 50.6940,
95.0132

■ 67.8987, 50.6940,
95.0132

■ 64.0999, 43.1617,
93.5425

■ 72.5573, 59.9435,
96.7719

■ 61.1031, 37.2346,
92.3388

■ 78.1189, 71.0000,
98.8313

■ 58.8516, 32.7979,
91.3839

■ 84.6297, 83.9549,
101.2074

■ 57.2790, 29.7188,
90.6556

■ 91.9378, 98.5041,
103.8496

56.3070, 27.8411,
90.1278

91.9796, 98.5209,
104.0700

55.8342, 26.9614,
89.7667

92.0215, 98.5377,
104.2908

55.7516, 26.8137,
89.6852

92.0635, 98.5544,
104.5118

92.1056, 98.5713,
104.7331

92.1476, 98.5881,
104.9548

Harmonies

Analogous

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



58.2371, 50.6940, 127.9003



67.8987, 50.6940, 95.0132



72.2515, 50.6940, 58.6546

Triad

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



67.8987, 50.6940, 95.0132



49.3757, 50.6940, 14.3695



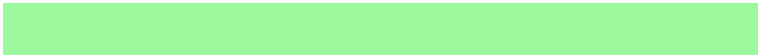
31.8041, 50.6940, 86.8323

Complementary

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



67.8987, 50.6940, 95.0132



53.6740, 77.2554, 43.9841

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.



30.1589, 50.6940, 51.8783



67.8987, 50.6940, 95.0132



39.3585, 50.6940, 17.1058

Square

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



67.8987, 50.6940, 95.0132



60.5929, 50.6940, 18.7046



32.7093, 50.6940, 28.4248



37.5952, 50.6940, 122.0596

Rectangle

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



67.8987, 50.6940, 95.0132



71.1360, 50.6940, 39.6502



32.7093, 50.6940, 28.4248



30.7895, 50.6940, 74.3544

Sweetspot

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



67.9004, 50.6962, 95.0143



86.6968, 83.3714, 105.8760



42.7000, 37.6870, 94.6477



18.3551, 17.4437, 22.5883



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.



67.9004, 50.6962, 95.0143



68.5064, 47.2300, 99.0744



61.6774, 48.2070, 62.2444



17.9845, 17.5212, 21.7743



29.8462, 14.3542, 48.0258



2.7668, 1.3305, 4.4614

Inverse Universe

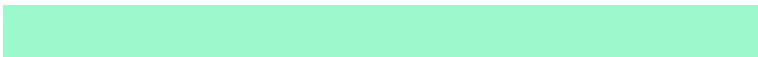
The Inverse Universe completely reimagines the original color for something new.



67.9004, 50.6962, 95.0143



68.5064, 47.2300, 99.0744



58.3080, 79.1091, 68.3867



17.9845, 17.5212, 21.7743



29.8462, 14.3542, 48.0258



2.7668, 1.3305, 4.4614

Previews

White Background



This preview shows how the XYZ color 67.8987, 50.6940, 95.0132 looks on a white background.

Color Contrast Check

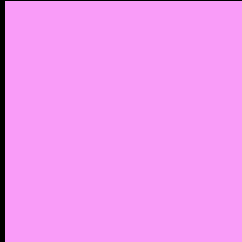
Large Text (above 18pt) WCAG AA × Fail

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 67.8987, 50.6940, 95.0132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

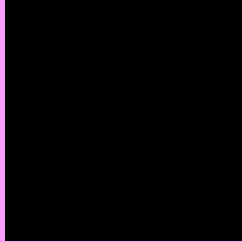
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8987, 50.6940, 95.0132

Background



This preview shows how black text looks on a background with the XYZ color 67.8987, 50.6940, 95.0132.



This preview shows how white text looks on a background with the XYZ color 67.8987, 50.6940,

95.0132.

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

67.8987, 50.6940, 95.0132

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.3270, 51.1726, 91.9134



Tritanopia

58.8571, 50.6936, 51.4825

Trichromacy



Original Color

67.8987, 50.6940, 95.0132



Protanomaly

56.3847, 50.0847, 98.7910



Deuteranomaly

56.7132, 50.0899, 93.0654



Tritanomaly

61.6798, 50.4699, 65.5223

Monochromacy



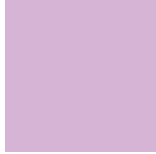
Original Color

67.8987, 50.6940, 95.0132



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.1904, 51.7937, 70.6540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8987, 50.6940, 95.0132 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(249, 156, 248)` looks like.

```
.text, #text, p{  
    color:rgb(249, 156, 248)  
}
```

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(249, 156, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 156, 248) }
```

Border

The CSS property to change the border of an element to XYZ 67.8987, 50.6940, 95.0132 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(249, 156, 248) }
```


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

```
.border{ border-color:rgb(249, 156, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 156, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 156, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 156, 248);  
box-shadow:4px 4px 4px 4px rgb(249, 156,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8987, 50.6940, 95.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 156, 248) }
```

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

```
.background{ background-color: rgb(249,  
156, 248) }
```

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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