

Converting Colors

XYZ(77.1112, 52.6556, 96.8734)

Have a look what the booklet for
XYZ(77.1112, 52.6556, 96.8734)
contains.

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Color

**XYZ(68.4686, 48.1086,
96.1197)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF90FA
RGB	255, 144, 250
RGB Percent	100%, 56%, 98%
CMY	0.0000, 0.4353, 0.0196
CMYK	0.00, 0.44, 0.02, 0.00
HSL	303°, 100%, 78%
HSV	303°, 44%, 100%
XYZ	68.4686, 48.1086, 96.1197
YIQ	189.2730, 32.1300, 56.4980

Conversions

Conversions Part 2

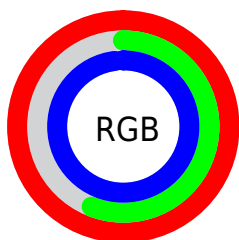
Format	Color
RYB	255, 144, 250
Decimal	16748794
CIELab	74.89, 56.43, -35.15
CIELCh	75, 66.484, 328.087
Yxy	48.1086, 0.3219, 0.2262
Android (android.graphics.Color)	4294938874 (0xFFFF90FA)
YUV	189.2730, 29.9384, 57.6426
Hunter-Lab	69.3604, 54.8244, -33.6119

Details

The XYZ color **68.4686, 48.1086, 96.1197** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.6878, 79.6199, 41.0271**, and the grayscale version is **48.3483, 50.8662, 55.3932**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **35.9630, 22.7308, 52.9441** is the 20% darker color. If you saturate the color by 10%, you get **64.8540, 41.1666, 94.0296**, and if you desaturate by 10%, it is **72.9584, 56.7989, 98.5082**.

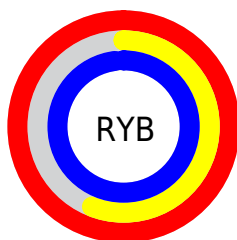
Distribution



Red (100%)

Green (56%)

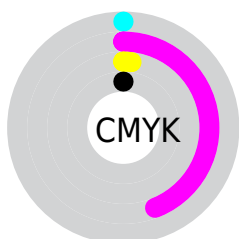
Blue (98%)



Red (100%)

Yellow (56%)

Blue (98%)

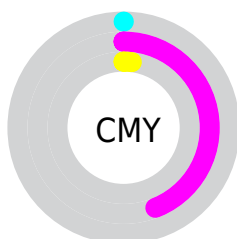


Cyan (0%)

Magenta (44%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4686, 48.1086, 96.1197 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 68.4686, 48.1086, 96.1197 by changing the saturation by 10% instead.

 68.4686, 48.1086,
96.1197


 68.4686, 48.1086,
96.1197


444.5052,
379.2224, 568.8190

 50.5541, 33.9129,
72.4652


 116.0605, 87.3661,
157.8195

 36.0735, 22.8267,
53.0496


 146.4686,
113.1966, 196.7018

 24.6613, 14.4656,
37.4544


181.7720,
143.6743, 241.4973

 15.9523, 8.4452,
25.2610

222.3360,
179.1834, 292.6243

 9.5810, 4.3811,
16.0508

268.5260,
220.1084, 350.5014

 5.1822, 1.8890,
9.4054


320.7073,


 2.3904, 0.5417,


266.8336, 415.5472


4.9061


379.2452,
319.7435, 488.1803


 0.8403, 0.0000,
2.1345


 0.0000, 0.0000,
0.6362


 68.4686, 48.1086,
96.1197


 68.4686, 48.1086,
96.1197


 64.8540, 41.1666,
94.0296


 72.9584, 56.7989,
98.5082


 62.0522, 35.8486,
92.2152

 78.3743, 67.3400,
101.2103

 59.9973, 32.0227,
90.6551

 84.7670, 79.8326,
104.2433

 58.6118, 29.5338,
89.3236

 92.1823, 94.3690,
107.6227

■ 57.8013, 28.1931, 95.0500, 100.0000,
88.1891 108.9000

■ 57.4955, 27.7622,
87.5305

Harmonies

Analogous

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



57.5843, 48.1086, 135.9589



68.4686, 48.1086, 96.1197



73.1601, 48.1086, 54.6397

Triad

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



68.4686, 48.1086, 96.1197



46.5074, 48.1086, 10.0102



28.1099, 48.1086, 90.4562

Complementary

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



68.4686, 48.1086, 96.1197



52.6878, 79.6199, 41.0271

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.



26.1831, 48.1086, 50.1876



68.4686, 48.1086, 96.1197



35.6185, 48.1086, 12.8329

Square

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



68.4686, 48.1086, 96.1197



59.1685, 48.1086, 13.7243



28.6756, 48.1086, 24.4522



34.4909, 48.1086, 131.7982

Rectangle

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



68.4686, 48.1086, 96.1197



71.6154, 48.1086, 34.2911



28.6756, 48.1086, 24.4522



26.9752, 48.1086, 75.9250

Sweetspot

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



68.4696, 48.1104, 96.1207



85.1320, 80.5471, 104.4127



40.1837, 33.4367, 98.9438



17.8987, 16.6082, 22.1982



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.



68.4696, 48.1104, 96.1207



65.3520, 42.1188, 94.3305



61.1555, 45.1848, 57.6054



18.7552, 18.2854, 22.5942



30.0582, 14.5126, 45.8184



2.9372, 1.4172, 4.5165

Inverse Universe

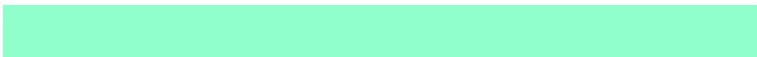
The Inverse Universe completely reimagines the original color for something new.



68.4696, 48.1104, 96.1207



65.3520, 42.1188, 94.3305



58.0663, 81.7713, 69.3497



18.7552, 18.2854, 22.5942



30.0582, 14.5126, 45.8184



2.9372, 1.4172, 4.5165

Previews

White Background



This preview shows how the XYZ color 68.4686, 48.1086, 96.1197 looks on a white background.

Color Contrast Check

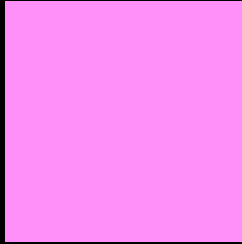
Large Text (above 18pt) WCAG AA × Fail

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 68.4686, 48.1086, 96.1197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

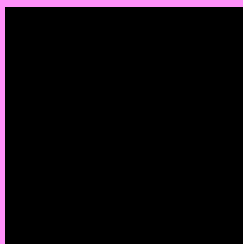
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4686, 48.1086, 96.1197

Background



This preview shows how black text looks on a background with the XYZ color 68.4686, 48.1086, 96.1197.



This preview shows how white text looks on a background with the XYZ color 68.4686, 48.1086,

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

68.4686, 48.1086, 96.1197

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.7002, 48.5849, 91.5524



Tritanopia

57.9439, 47.9193, 45.7305

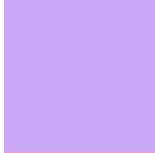
Trichromacy



Original Color
68.4686, 48.1086, 96.1197



Protanomaly
54.4972, 46.8329, 99.0958



Deuteranomaly
54.9943, 47.2156, 93.4038



Tritanomaly
61.3309, 47.7995, 61.2521

Monochromacy



Original Color
68.4686, 48.1086, 96.1197



Achromatopsia
48.3692, 50.8881, 55.4172



Achromatomaly
54.1420, 48.7364, 68.1815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4686, 48.1086, 96.1197 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, 144, 250) looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 250)  
}
```

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, 144, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.4686, 48.1086, 96.1197 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, 144, 250) }
```


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

```
.border{ border-color:rgb(255, 144, 250) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4686, 48.1086, 96.1197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 250) }
```

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

```
.background{ background-color: rgb(255,  
144, 250) }
```

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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