

Converting Colors

XYZ(92.0496, 58.7314, 84.9380)

Have a look what the booklet for
XYZ(92.0496, 58.7314, 84.9380)
contains.

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Color

**XYZ(65.0396, 44.8665,
83.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	FF88EB
RGB	255, 136, 235
RGB Percent	100%, 53%, 92%
CMY	0.0000, 0.4666, 0.0784
CMYK	0.00, 0.47, 0.08, 0.00
HSL	310°, 100%, 77%
HSV	310°, 47%, 100%
XYZ	65.0396, 44.8665, 83.8294
YIQ	182.8670, 39.1450, 56.0170

Conversions

Conversions Part 2

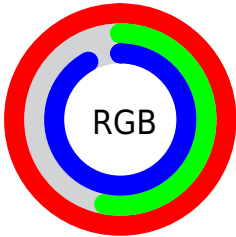
Format	Color
R_{YB}	255, 136, 235
Decimal	16746731
CIE _{Lab}	72.80, 57.83, -30.20
CIE _{LCh}	73, 65.238, 332.429
Yxy	44.8665, 0.3357, 0.2316
Android (android.graphics.Color)	4294936811 (0xFFFF88EB)
YUV	182.8670, 25.7016, 63.2606
Hunter-Lab	66.9825, 56.1032, -27.3145

Details

The XYZ color **65.0396, 44.8665, 83.8294** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.9156, 79.1553, 43.9972**, and the grayscale version is **44.7868, 47.1192, 51.3128**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **33.8441, 20.8753, 44.8934** is the 20% darker color. If you saturate the color by 10%, you get **61.2543, 38.2749, 79.5498**, and if you desaturate by 10%, it is **69.6959, 53.1760, 88.4741**.

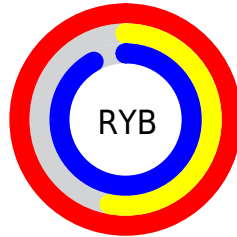
Distribution



Red (100%)

Green (53%)

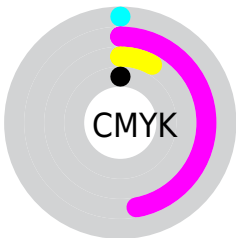
Blue (92%)



Red (100%)

Yellow (53%)

Blue (92%)

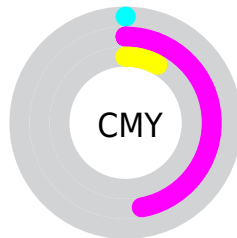


Cyan (0%)

Magenta (47%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0396, 44.8665, 83.8294 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 65.0396, 44.8665, 83.8294 by changing the saturation by 10% instead.


 65.0396, 44.8665,
83.8294


 65.0396, 44.8665,
83.8294

432.4772,
366.2326, 527.7898


 47.7580, 31.3523,
62.3300

 111.1722, 82.5200,
140.5961

 33.8457, 20.8673,
44.8619


 140.7539,
107.4282, 176.7005

 22.9374, 13.0270,
31.0065


 175.1663,
136.9030, 218.5103

 14.6678, 7.4471,
20.3453

214.7749,
171.3291, 266.4441

 8.6713, 3.7433,
12.4597

259.9449,
211.0907, 320.9204

 4.5828, 1.5310,
6.9313

311.0417,

 2.0369, 0.3104,

256.5722, 382.3578

3.3414

368.4307,
308.1580, 451.1747

■ 0.6545, 0.0000,
1.2715

■ 0.0000, 0.0000,
0.0382

■ 65.0396, 44.8665,
83.8294

■ 65.0396, 44.8665,
83.8294

■ 61.2543, 38.2749,
79.5498

■ 69.6959, 53.1760,
88.4741

■ 58.2755, 33.2726,
75.6115

■ 75.2759, 63.3090,
93.5003

■ 56.0342, 29.7219,
71.9917

■ 81.8315, 75.3690,
98.9263

■ 54.4485, 27.4589,
68.6624

■ 89.4099, 89.4502,
104.7683

■ 53.4153, 26.2779,
65.5889

95.0500, 100.0000,
108.9000

■ 53.1416, 26.0206,
64.6031

Harmonies

Analogous

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



55.4382, 44.8665, 122.7881



65.0396, 44.8665, 83.8294



68.3490, 44.8665, 46.2528

Triad

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



65.0396, 44.8665, 83.8294



41.7268, 44.8665, 9.2531



26.7608, 44.8665, 90.5733

Complementary

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



65.0396, 44.8665, 83.8294



51.9156, 79.1553, 43.9972

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.



24.3586, 44.8665, 51.5468



65.0396, 44.8665, 83.8294



31.9877, 44.8665, 12.8278

Square

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



65.0396, 44.8665, 83.8294



53.5533, 44.8665, 11.7728



26.0891, 44.8665, 25.2746



33.3274, 44.8665, 127.7461

Rectangle

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



65.0396, 44.8665, 83.8294



66.1411, 44.8665, 28.6898



26.0891, 44.8665, 25.2746



25.4979, 44.8665, 76.7609

Sweetspot

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



65.0406, 44.8683, 83.8303



83.7487, 78.9193, 100.4414



40.5341, 31.8819, 98.6252



17.5921, 16.2742, 21.2355



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.



65.0406, 44.8683, 83.8303



61.4800, 38.6620, 79.8232



57.8490, 41.9917, 45.9600



18.6539, 18.2449, 22.0603



27.8161, 13.6157, 34.0115



2.7416, 1.3390, 3.4864

Inverse Universe

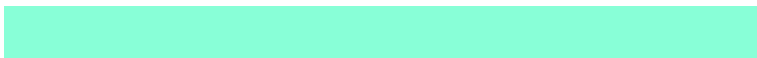
The Inverse Universe completely reimagines the original color for something new.



65.0406, 44.8683, 83.8303



61.4800, 38.6620, 79.8232



58.2233, 81.6783, 77.2130



18.6539, 18.2449, 22.0603



27.8161, 13.6157, 34.0115



2.7416, 1.3390, 3.4864

Previews

White Background



This preview shows how the XYZ color 65.0396, 44.8665, 83.8294 looks on a white background.

Color Contrast Check

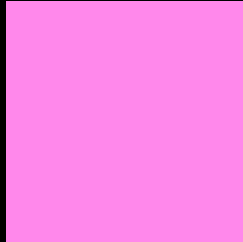
Large Text (above 18pt) WCAG AA × Fail

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 65.0396, 44.8665, 83.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

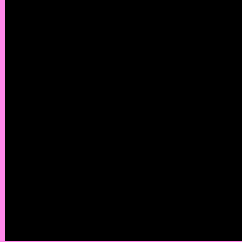
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0396, 44.8665, 83.8294

Background



This preview shows how black text looks on a background with the XYZ color 65.0396, 44.8665, 83.8294.



This preview shows how white text looks on a background with the XYZ color 65.0396, 44.8665,

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

65.0396, 44.8665, 83.8294

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.3235, 45.3100, 79.7030



Tritanopia

56.1969, 44.8750, 40.3502

Trichromacy



Original Color

65.0396, 44.8665, 83.8294



Protanomaly

51.3495, 43.6943, 94.5344



Deuteranomaly

51.5258, 43.8158, 81.3429



Tritanomaly

58.8885, 44.5559, 53.6405

Monochromacy



Original Color

65.0396, 44.8665, 83.8294



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.5914, 45.0920, 61.9143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0396, 44.8665, 83.8294 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, 136, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 235)  
}
```

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, 136, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 235) }
```

Border

The CSS property to change the border of an element to XYZ 65.0396, 44.8665, 83.8294 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, 136, 235) }
```


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

```
.border{ border-color:rgb(255, 136, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0396, 44.8665, 83.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 235) }
```

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

```
.background{ background-color: rgb(255,  
136, 235) }
```

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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