

Converting Colors

XYZ(71.2791, 47.7331, 85.7388)

Have a look what the booklet for
XYZ(71.2791, 47.7331, 85.7388)
contains.

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Color

**XYZ(65.1900, 44.7024,
85.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87ED
RGB	255, 135, 237
RGB Percent	100%, 53%, 93%
CMY	0.0000, 0.4706, 0.0706
CMYK	0.00, 0.47, 0.07, 0.00
HSL	309°, 100%, 76%
HSV	309°, 47%, 100%
XYZ	65.1900, 44.7024, 85.3133
YIQ	182.5080, 38.7780, 57.1620

Conversions

Conversions Part 2

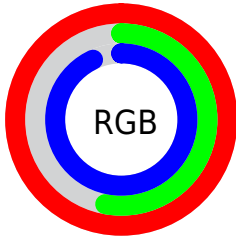
Format	Color
R _{YB}	255, 135, 237
Decimal	16746477
CIE Lab	72.70, 58.64, -31.46
CIE LCh	73, 66.542, 331.787
Yxy	44.7024, 0.3340, 0.2290
Android (android.graphics.Color)	4294936557 (0xFFFF87ED)
YUV	182.5080, 26.8646, 63.5755
Hunter-Lab	66.8599, 57.0371, -28.8523

Details

The XYZ color **65.1900, 44.7024, 85.3133** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.5030, 78.9715, 42.6680**, and the grayscale version is **44.5849, 46.9067, 51.0814**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **33.9741, 20.8093, 45.9420** is the 20% darker color. If you saturate the color by 10%, you get **61.4959, 38.1989, 81.3544**, and if you desaturate by 10%, it is **69.7500, 52.9181, 89.6207**.

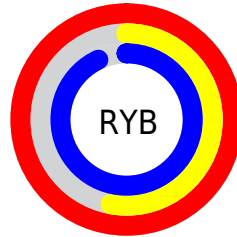
Distribution



Red (100%)

Green (53%)

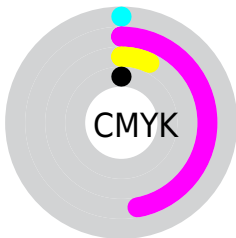
Blue (93%)



Red (100%)

Yellow (53%)

Blue (93%)

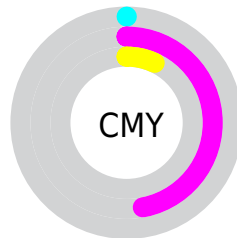


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1900, 44.7024, 85.3133 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 65.1900, 44.7024, 85.3133 by changing the saturation by 10% instead.


 65.1900, 44.7024,
85.3133


 65.1900, 44.7024,
85.3133


433.0089,
365.5669, 532.8358

 47.8804, 31.2231,
63.5486

 111.3872, 82.2737,
142.6889

 33.9431, 20.7688,
45.8414


 141.0055,
107.1344, 179.1369

 23.0125, 12.9551,
31.7729

 175.4574,
136.5577, 221.3164

 14.7235, 7.3976,
20.9247

215.1083,
170.9280, 269.6460

 8.7106, 3.7120,
12.8783

260.3236,
210.6297, 324.5442

 4.6085, 1.5138,
7.2150

311.4685,

 2.0518, 0.2984,

256.0471, 386.4295

3.5165

368.9085,
307.5647, 455.7205

■ 0.6628, 0.0000,
1.3640

■ 0.0000, 0.0000,
0.1134

■ 65.1900, 44.7024,
85.3133

■ 65.1900, 44.7024,
85.3133

■ 61.4959, 38.1989,
81.3544

■ 69.7500, 52.9181,
89.6207

■ 58.6027, 33.2784,
77.7204

■ 75.2285, 62.9518,
94.2930

■ 56.4412, 29.8024,
74.3884

■ 81.6775, 74.9075,
99.3483

■ 54.9288, 27.6060,
71.3305

■ 89.1445, 88.8795,
104.8028

■ 53.9601, 26.4784,
68.5111

95.0500, 100.0000,
108.9000

■ 53.7318, 26.2567,
67.7111

Harmonies

Analogous

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



55.2792, 44.7024, 125.1198



65.1900, 44.7024, 85.3133



68.7446, 44.7024, 46.7184

Triad

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



65.1900, 44.7024, 85.3133



41.8001, 44.7024, 8.7825



26.2827, 44.7024, 90.4008

Complementary

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



65.1900, 44.7024, 85.3133



51.5030, 78.9715, 42.6680

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.



23.9475, 44.7024, 50.6820



65.1900, 44.7024, 85.3133



31.8404, 44.7024, 12.1783

Square

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



65.1900, 44.7024, 85.3133



53.8631, 44.7024, 11.4083



25.7835, 44.7024, 24.3912



32.8394, 44.7024, 128.8753

Rectangle

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



65.1900, 44.7024, 85.3133



66.5981, 44.7024, 28.6942



25.7835, 44.7024, 24.3912



25.0376, 44.7024, 76.2699

Sweetspot

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



65.1911, 44.7042, 85.3142



83.8495, 78.9596, 100.9722



39.8528, 31.3226, 98.5531



17.6169, 16.2841, 21.3660



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.



65.1911, 44.7042, 85.3142



61.8472, 38.8089, 81.7569



57.8411, 41.7643, 46.6100



18.6686, 18.2508, 22.1382



28.1205, 13.7375, 35.6145



2.7684, 1.3497, 3.6278

Inverse Universe

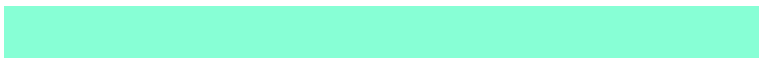
The Inverse Universe completely reimagines the original color for something new.



65.1911, 44.7042, 85.3142



61.8472, 38.8089, 81.7569



57.7633, 81.4757, 75.6343



18.6686, 18.2508, 22.1382



28.1205, 13.7375, 35.6145



2.7684, 1.3497, 3.6278

Previews

White Background



This preview shows how the XYZ color 65.1900, 44.7024, 85.3133 looks on a white background.

Color Contrast Check

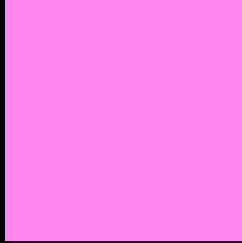
Large Text (above 18pt) WCAG AA × Fail

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 65.1900, 44.7024, 85.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

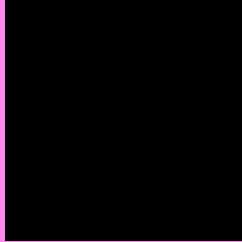
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1900, 44.7024, 85.3133

Background



This preview shows how black text looks on a background with the XYZ color 65.1900, 44.7024, 85.3133.



This preview shows how white text looks on a background with the XYZ color 65.1900, 44.7024,

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

65.1900, 44.7024, 85.3133

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

46.1704, 45.1989, 81.1537



Tritanopia

55.8451, 44.6936, 40.3337

Trichromacy



Original Color

65.1900, 44.7024, 85.3133



Protanomaly

50.9234, 43.2142, 94.4642



Deuteranomaly

51.2723, 43.6523, 82.8142



Tritanomaly

58.6401, 44.4152, 54.1975

Monochromacy



Original Color

65.1900, 44.7024, 85.3133



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.7102, 45.1395, 62.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1900, 44.7024, 85.3133 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, 135, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 237)  
}
```

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, 135, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 237) }
```

Border

The CSS property to change the border of an element to XYZ 65.1900, 44.7024, 85.3133 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, 135, 237) }
```


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

```
.border{ border-color:rgb(255, 135, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 135, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1900, 44.7024, 85.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 237) }
```

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

```
.background{ background-color: rgb(255,  
135, 237) }
```

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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