

Converting Colors

XYZ(57.6985, 30.1844, 81.3824)

Have a look what the booklet for
XYZ(57.6985, 30.1844, 81.3824)
contains.

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Color

**XYZ(57.6985, 30.1844,
81.3824)**

Conversions

Conversions Part 1

Format	Color
Hex	FF39EB
RGB	255, 57, 235
RGB Percent	100%, 22%, 92%
CMY	0.0000, 0.7764, 0.0784
CMYK	0.00, 0.78, 0.08, 0.00
HSL	306°, 100%, 61%
HSV	306°, 78%, 100%
XYZ	57.6985, 30.1844, 81.3824
YIQ	136.4940, 60.8700, 97.3340

Conversions

Conversions Part 2

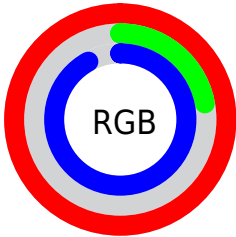
Format	Color
R_{YB}	255, 57, 235
Decimal	16726507
CIE Lab	61.81, 87.96, -47.34
CIE LCh	62, 99.893, 331.709
Yxy	30.1844, 0.3409, 0.1783
Android (android.graphics.Color)	4294916587 (0xFFFF39EB)
YUV	136.4940, 48.5635, 103.9298
Hunter-Lab	54.9403, 91.3157, -49.3673

Details

The XYZ color **57.6985, 30.1844, 81.3824** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.7880, 72.9262, 19.0552**, and the grayscale version is **23.3966, 24.6151, 26.8058**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **30.3848, 14.7240, 43.8884** is the 20% darker color. If you saturate the color by 10%, you get **56.3694, 28.1173, 79.1167**, and if you desaturate by 10%, it is **59.6665, 33.5203, 83.8883**.

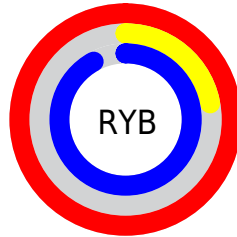
Distribution



Red (100%)

Green (22%)

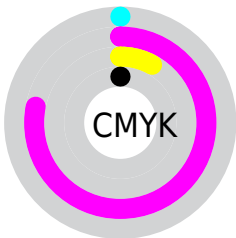
Blue (92%)



Red (100%)

Yellow (22%)

Blue (92%)

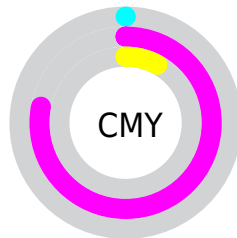


Cyan (0%)

Magenta (78%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6985, 30.1844, 81.3824 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 57.6985, 30.1844, 81.3824 by changing the saturation by 10% instead.


 57.6985, 30.1844,
81.3824


 57.6985, 30.1844,
81.3824


406.0335,
302.7630, 519.4086


 41.8086, 19.9786,
60.3237


 100.6092, 59.9537,
137.1365

 29.1419, 12.3795,
43.2526


 128.3607, 80.2859,
172.6690


 19.3330, 7.0027,
29.7505


 160.7968,
104.7625, 213.8632

 12.0166, 3.4638,
19.3989

 198.2828,
133.7677, 261.1376

 6.8273, 1.3784,
11.7791

 241.1842,
167.6859, 314.9109

 3.3997, 0.2007,
6.4727

289.8661,

 1.3685, 0.0000,

206.9016, 375.6014

3.0612

344.6942,
251.7992, 443.6278

■ 0.2336, 0.0000,
1.1260

■ 0.0000, 0.0000,
0.0000

■ 57.6985, 30.1844,
81.3824

■ 57.6985, 30.1844,
81.3824

■ 56.3694, 28.1173,
79.1167

■ 59.6665, 33.5203,
83.8883

■ 55.5670, 27.0952,
77.0528

■ 62.3546, 38.2880,
86.6605

■ 55.4166, 26.9306,
76.5830

■ 65.8344, 44.6303,
89.7235

■ 70.1681, 52.6716,
93.0980

75.4117, 62.5240,
96.8029

81.6164, 74.2899,
100.8552

88.8298, 88.0642,
105.2710

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.3820, 30.1844, 143.2343



57.6985, 30.1844, 81.3824



62.6965, 30.1844, 30.7242

Triad

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



57.6985, 30.1844, 81.3824



27.9315, 30.1844, 0.4702



11.9407, 30.1844, 88.5237

Complementary

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



57.6985, 30.1844, 81.3824



38.7880, 72.9262, 19.0552

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.



9.9378, 30.1844, 35.1045



57.6985, 30.1844, 81.3824



17.2151, 30.1844, 1.6188

Square

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



57.6985, 30.1844, 81.3824



42.6340, 30.1844, 1.3421



11.5196, 30.1844, 8.9059



18.1745, 30.1844, 149.1567

Rectangle

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



57.6985, 30.1844, 81.3824



59.7029, 30.1844, 12.5027



11.5196, 30.1844, 8.9059



10.8558, 30.1844, 68.1868

Sweetspot

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



57.6992, 30.1856, 81.3830



78.1696, 67.7422, 98.6399



22.5591, 11.7174, 95.6804



16.2683, 13.6228, 20.8056



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.



57.6992, 30.1856, 81.3830



55.8840, 27.4598, 77.9892



47.1624, 25.9709, 25.8970



18.7089, 18.2669, 22.3503



28.9886, 14.0847, 40.1858



2.8444, 1.3801, 4.0281

Inverse Universe

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



57.6992, 30.1856, 81.3830



55.8840, 27.4598, 77.9892



45.2652, 75.5171, 53.1637



18.7089, 18.2669, 22.3503



28.9886, 14.0847, 40.1858



2.8444, 1.3801, 4.0281

Previews

White Background



This preview shows how the XYZ color 57.6985, 30.1844, 81.3824 looks on a white background.

Color Contrast Check

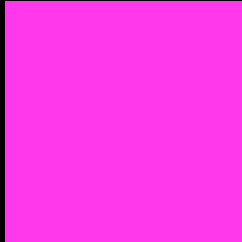
Large Text (above 18pt) WCAG AA × Fail

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 57.6985, 30.1844, 81.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

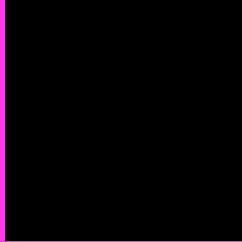
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6985, 30.1844, 81.3824

Background



This preview shows how black text looks on a background with the XYZ color 57.6985, 30.1844, 81.3824.



This preview shows how white text looks on a background with the XYZ color 57.6985, 30.1844,

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

57.6985, 30.1844, 81.3824

Protanopia

33.5844, 30.4871, 98.7222

Deuteranopia

31.2684, 30.5507, 73.3561



Tritanopia

44.4375, 29.9256, 18.4730

Trichromacy



Original Color

57.6985, 30.1844, 81.3824



Protanomaly

36.6709, 25.8799, 91.8695



Deuteranomaly

36.0469, 26.2523, 75.8404



Tritanomaly

47.7667, 28.9908, 34.5307

Monochromacy



Original Color

57.6985, 30.1844, 81.3824



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

31.7278, 23.4456, 42.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6985, 30.1844, 81.3824 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, 57, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 57, 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, 57, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 235) }
```

Border

The CSS property to change the border of an element to XYZ 57.6985, 30.1844, 81.3824 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, 57, 235) }
```


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

```
.border{ border-color:rgb(255, 57, 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, 57, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 57,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6985, 30.1844, 81.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 235) }
```

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

```
.background{ background-color: rgb(255, 57,  
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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