

Converting Colors

XYZ(57.2348, 32.2605, 71.9685)

Have a look what the booklet for
XYZ(57.2348, 32.2605, 71.9685)
contains.

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Color

**XYZ(57.2935, 32.2712,
72.3165)**

Conversions

Conversions Part 1

Format	Color
Hex	FF50DE
RGB	255, 80, 222
RGB Percent	100%, 31%, 87%
CMY	0.0000, 0.6862, 0.1294
CMYK	0.00, 0.69, 0.13, 0.00
HSL	311°, 100%, 66%
HSV	311°, 69%, 100%
XYZ	57.2935, 32.2712, 72.3165
YIQ	148.5130, 58.7180, 81.2620

Conversions

Conversions Part 2

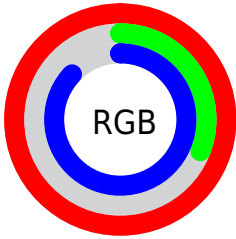
Format	Color
R _Y B	255, 80, 222
Decimal	16732382
CIE Lab	63.57, 79.41, -37.31
CIE LCh	64, 87.740, 334.832
Yxy	32.2712, 0.3539, 0.1994
Android (android.graphics.Color)	4294922462 (0xFFFF50DE)
YUV	148.5130, 36.2291, 93.3891
Hunter-Lab	56.8077, 80.6128, -35.7110

Details

The XYZ color **57.2935, 32.2712, 72.3165** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **42.0501, 74.4183, 27.7731**, and the grayscale version is **28.2002, 29.6688, 32.3093**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **29.1311, 14.2225, 37.2862** is the 20% darker color. If you saturate the color by 10%, you get **55.1323, 28.9657, 68.4616**, and if you desaturate by 10%, it is **60.1824, 37.0026, 76.5054**.

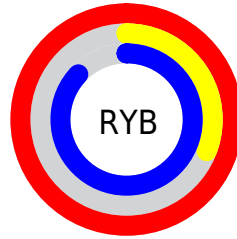
Distribution



Red (100%)

Green (31%)

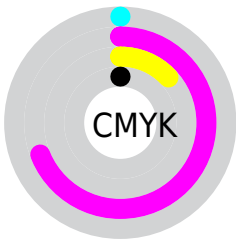
Blue (87%)



Red (100%)

Yellow (31%)

Blue (87%)

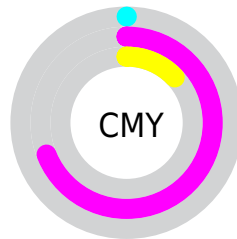


Cyan (0%)

Magenta (69%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2935, 32.2712, 72.3165 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 57.2935, 32.2712, 72.3165 by changing the saturation by 10% instead.


 57.2935, 32.2712,
72.3165


 57.2935, 32.2712,
72.3165

404.5446,
312.3528, 487.6496


 41.4820, 21.5687,
52.9288

 100.0222, 63.2360,
124.2183

 28.8852, 13.5404,
37.3586


 127.6701, 84.2671,
157.5695

 19.1379, 7.8017,
25.1873


 159.9942,
109.5099, 196.4124

 11.8745, 3.9683,
15.9964

 197.3598,
139.3488, 241.1654

 6.7299, 1.6559,
9.3673

240.1323,
174.1681, 292.2470

 3.3386, 0.3948,
4.8814

288.6770,

 1.3352, 0.0000,

214.3523, 350.0759

2.1203

343.3593,
260.2857, 415.0706

■ 0.2094, 0.0000,
0.6278

■ 0.0000, 0.0000,
0.0000

■ 57.2935, 32.2712,
72.3165

■ 57.2935, 32.2712,
72.3165

■ 55.1323, 28.9657,
68.4616

■ 60.1824, 37.0026,
76.5054

■ 53.6116, 26.9120,
64.9099

■ 63.8687, 43.2995,
81.0511

■ 52.6109, 25.8693,
61.6207

■ 68.4164, 51.2890,
85.9762

■ 52.4918, 25.7607,
61.1812

■ 73.8821, 61.0844,
91.3001

■ 80.3176, 72.7891,
97.0409

■ 87.7708, 86.4986,
103.2152

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.



46.1795, 32.2712, 124.6172



57.2935, 32.2712, 72.3165



60.6187, 32.2712, 29.7594

Triad

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



57.2935, 32.2712, 72.3165



28.7323, 32.2712, 1.6764



15.1231, 32.2712, 89.4273

Complementary

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



57.2935, 32.2712, 72.3165



42.0501, 74.4183, 27.7731

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.



12.6869, 32.2712, 41.1282



57.2935, 32.2712, 72.3165



19.0958, 32.2712, 3.7660

Square

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



57.2935, 32.2712, 72.3165



41.8132, 32.2712, 2.6245



13.9190, 32.2712, 13.5571



21.7109, 32.2712, 138.2961

Rectangle

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



57.2935, 32.2712, 72.3165



57.3821, 32.2712, 13.7482



13.9190, 32.2712, 13.5571



13.8845, 32.2712, 71.7376

Sweetspot

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



57.2942, 32.2726, 72.3171



78.6981, 69.8300, 95.6382



27.6129, 16.4093, 96.3197



16.4571, 14.2405, 20.1281



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.



57.2942, 32.2726, 72.3171



54.5520, 28.1418, 67.2302



48.5123, 28.7598, 26.0723



18.6371, 18.2382, 21.9721



27.4807, 13.4816, 32.2454



2.7119, 1.3271, 3.3300

Inverse Universe

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



57.2942, 32.2726, 72.3171



54.5520, 28.1418, 67.2302



49.4460, 77.3767, 66.7194



18.6371, 18.2382, 21.9721



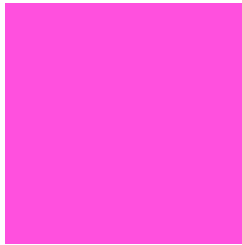
27.4807, 13.4816, 32.2454



2.7119, 1.3271, 3.3300

Previews

White Background



This preview shows how the XYZ color 57.2935, 32.2712, 72.3165 looks on a white background.

Color Contrast Check

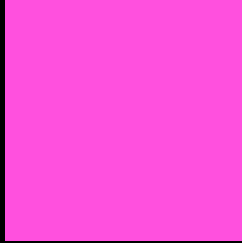
Large Text (above 18pt) WCAG AA × Fail

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 57.2935, 32.2712, 72.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

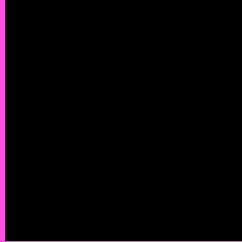
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.2935, 32.2712, 72.3165

Background



This preview shows how black text looks on a background with the XYZ color 57.2935, 32.2712, 72.3165.



This preview shows how white text looks on a background with the XYZ color 57.2935, 32.2712,

72.3165.

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

57.2935, 32.2712, 72.3165

Protanopia

35.6722, 32.7327, 99.0457

Deuteranopia

33.1395, 32.3939, 66.1340



Tritanopia

46.6704, 32.1133, 21.1914

Trichromacy



Original Color

57.2935, 32.2712, 72.3165



Protanomaly

38.6155, 28.9248, 88.3418



Deuteranomaly

38.3170, 29.4117, 67.9475



Tritanomaly

49.6248, 31.6544, 34.9469

Monochromacy



Original Color

57.2935, 32.2712, 72.3165



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

35.7832, 28.2413, 44.6394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2935, 32.2712, 72.3165 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, 80, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 222)  
}
```

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, 80, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 222) }
```

Border

The CSS property to change the border of an element to XYZ 57.2935, 32.2712, 72.3165 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, 80, 222) }
```


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

```
.border{ border-color:rgb(255, 80, 222) }
```

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

Here you see how a box with a 4 pixel rgb(255, 80, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2935, 32.2712, 72.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 222) }
```

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

```
.background{ background-color: rgb(255, 80,  
222) }
```

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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