

Converting Colors

XYZ(57.5539, 29.5063, 82.5332)

Have a look what the booklet for
XYZ(57.5539, 29.5063, 82.5332)
contains.

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Color

**XYZ(57.5830, 29.4883,
82.7776)**

Conversions

Conversions Part 1

Format	Color
Hex	FF30ED
RGB	255, 48, 237
RGB Percent	100%, 19%, 93%
CMY	0.0000, 0.8117, 0.0706
CMYK	0.00, 0.81, 0.07, 0.00
HSL	305°, 100%, 59%
HSV	305°, 81%, 100%
XYZ	57.5830, 29.4883, 82.7776
YIQ	131.4390, 62.7030, 102.6630

Conversions

Conversions Part 2

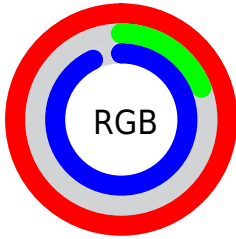
Format	Color
R _Y B	255, 48, 237
Decimal	16724205
CIE _{Lab}	61.21, 90.28, -49.41
CIE _{LCh}	61, 102.916, 331.305
Yxy	29.4883, 0.3390, 0.1736
Android (android.graphics.Color)	4294914285 (0xFFFF30ED)
YUV	131.4390, 52.0416, 108.3630
Hunter-Lab	54.3031, 94.2508, -52.3672

Details

The XYZ color **57.5830, 29.4883, 82.7776** 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 **37.9633, 72.5422, 17.1575**, and the grayscale version is **21.5368, 22.6584, 24.6749**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **30.4864, 14.7646, 44.4231** is the 20% darker color. If you saturate the color by 10%, you get **56.5009, 27.8393, 80.8285**, and if you desaturate by 10%, it is **59.2687, 32.3378, 84.9483**.

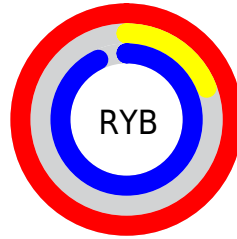
Distribution



Red (100%)

Green (19%)

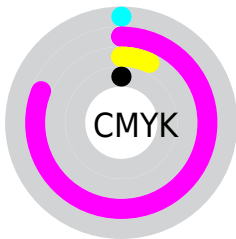
Blue (93%)



Red (100%)

Yellow (19%)

Blue (93%)

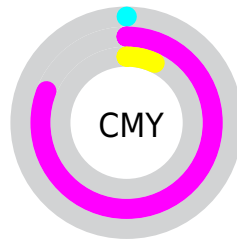


Cyan (0%)

Magenta (81%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5830, 29.4883, 82.7776 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 57.5830, 29.4883, 82.7776 by changing the saturation by 10% instead.


 57.5830, 29.4883,
82.7776


 57.5830, 29.4883,
82.7776

405.6093,
299.5120, 524.1966


 41.7155, 19.4505,
61.4672


 100.4418, 58.8520,
139.1104


 29.0687, 11.9963,
44.1693


 128.1638, 78.9467,
174.9698


 19.2773, 6.7411,
30.4654


 160.5680,
103.1625, 216.5159

 11.9760, 3.3007,
19.9371

 198.0197,
131.8839, 264.1673

 6.7994, 1.2907,
12.1657

 240.8844,
165.4951, 318.3426

 3.3822, 0.1340,
6.7327

289.5273,

 1.3590, 0.0000,

204.3806, 379.4602

3.2196

344.3138,
248.9247, 447.9387

■ 0.2267, 0.0000,
1.2078

■ 0.0000, 0.0000,
0.0000

■ 57.5830, 29.4883,
82.7776

■ 57.5830, 29.4883,
82.7776

■ 56.5009, 27.8393,
80.8285

■ 59.2687, 32.3378,
84.9483

■ 55.9230, 27.1332,
79.2497

■ 61.6455, 36.5632,
87.3688

■ 64.7887, 42.3150,
90.0648

■ 68.7632, 49.7229,
93.0578

73.6271, 58.9031,
96.3673

79.4331, 69.9610,
100.0110

86.2299, 82.9940,
104.0051

94.0629, 98.0927,
108.3649

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.



43.8254, 29.4883, 147.0158



57.5830, 29.4883, 82.7776



62.8879, 29.4883, 30.4412

Triad

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



57.5830, 29.4883, 82.7776



27.4396, 29.4883, 0.1849



11.1644, 29.4883, 88.4252

Complementary

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



57.5830, 29.4883, 82.7776



37.9633, 72.5422, 17.1575

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.



9.2410, 29.4883, 33.8340



57.5830, 29.4883, 82.7776



16.5718, 29.4883, 1.2559

Square

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



57.5830, 29.4883, 82.7776



42.4579, 29.4883, 1.0704



10.8468, 29.4883, 7.9826



17.3050, 29.4883, 151.7427

Rectangle

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



57.5830, 29.4883, 82.7776



59.9024, 29.4883, 11.9395



10.8468, 29.4883, 7.9826



10.1119, 29.4883, 67.4762

Sweetspot

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



57.5836, 29.4895, 82.7781



77.6922, 66.6365, 98.9453



21.3049, 10.4678, 95.5053



16.1838, 13.4142, 20.8995



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.



57.5836, 29.4895, 82.7781



56.1012, 27.3373, 79.7784



46.6186, 25.1035, 25.0371



18.7205, 18.2715, 22.4114



29.2493, 14.1890, 41.5586



2.8671, 1.3892, 4.1476

Inverse Universe

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



57.5836, 29.4895, 82.7781



56.1012, 27.3373, 79.7784



44.1181, 75.0041, 49.5680



18.7205, 18.2715, 22.4114



29.2493, 14.1890, 41.5586



2.8671, 1.3892, 4.1476

Previews

White Background



This preview shows how the XYZ color 57.5830, 29.4883, 82.7776 looks on a white background.

Color Contrast Check

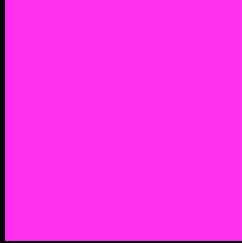
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.5830, 29.4883, 82.7776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

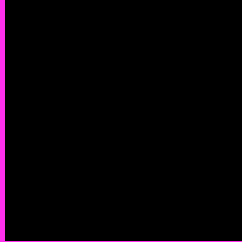
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.5830, 29.4883, 82.7776

Background



This preview shows how black text looks on a background with the XYZ color 57.5830, 29.4883, 82.7776.



This preview shows how white text looks on a background with the XYZ color 57.5830, 29.4883,

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

57.5830, 29.4883, 82.7776

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

30.5704, 29.6940, 74.6413



Tritanopia

43.9784, 29.2673, 17.5186

Trichromacy



Original Color

57.5830, 29.4883, 82.7776



Protanomaly

35.8456, 24.7992, 91.7044



Deuteranomaly

35.1371, 24.9185, 77.0866



Tritanomaly

47.2915, 28.1753, 33.9562

Monochromacy



Original Color

57.5830, 29.4883, 82.7776



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

29.8139, 21.4397, 40.5971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5830, 29.4883, 82.7776 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, 48, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 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, 48, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.5830, 29.4883, 82.7776 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, 48, 237) }
```


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

```
.border{ border-color:rgb(255, 48, 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, 48, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5830, 29.4883, 82.7776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 237) }
```

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

```
.background{ background-color: rgb(255, 48,  
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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