

Converting Colors

XYZ(57.8564, 29.8007, 83.5917)

Have a look what the booklet for
XYZ(57.8564, 29.8007, 83.5917)
contains.

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Color

**XYZ(57.8564, 29.8007,
83.5917)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33EE
RGB	255, 51, 238
RGB Percent	100%, 20%, 93%
CMY	0.0000, 0.7999, 0.0667
CMYK	0.00, 0.80, 0.07, 0.00
HSL	305°, 100%, 60%
HSV	305°, 80%, 100%
XYZ	57.8564, 29.8007, 83.5917
YIQ	133.3140, 61.5570, 101.4050

Conversions

Conversions Part 2

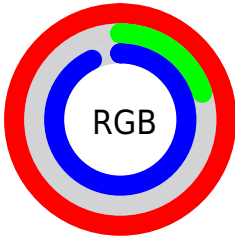
Format	Color
R _Y B	255, 51, 238
Decimal	16724974
CIE _{Lab}	61.48, 89.77, -49.54
CIE _{LCh}	61, 102.537, 331.108
Yxy	29.8007, 0.3378, 0.1740
Android (android.graphics.Color)	4294915054 (0xFFFF33EE)
YUV	133.3140, 51.6102, 106.7186
Hunter-Lab	54.5900, 93.6480, -52.5756

Details

The XYZ color **57.8564, 29.8007, 83.5917** 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 **38.1697, 72.6417, 17.4804**, and the grayscale version is **22.2134, 23.3702, 25.4501**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **30.5886, 14.8055, 44.9616** is the 20% darker color. If you saturate the color by 10%, you get **56.7209, 28.0263, 81.6821**, and if you desaturate by 10%, it is **59.6068, 32.7987, 85.7251**.

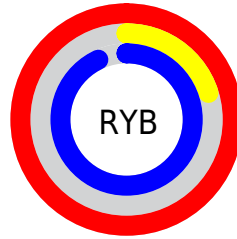
Distribution



Red (100%)

Green (20%)

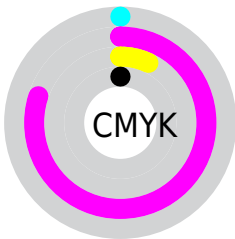
Blue (93%)



Red (100%)

Yellow (20%)

Blue (93%)

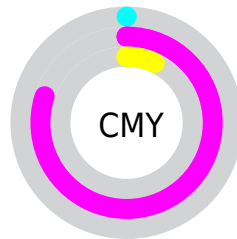


Cyan (0%)

Magenta (80%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8564, 29.8007, 83.5917 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 57.8564, 29.8007, 83.5917 by changing the saturation by 10% instead.


 57.8564, 29.8007,
83.5917


 57.8564, 29.8007,
83.5917

406.6131,
300.9744, 526.9790


 41.9360, 19.6874,
62.1350

 100.8379, 59.3469,
140.2605

 29.2421, 12.1680,
44.7053


 128.6297, 79.5485,
176.3097


 19.4092, 6.8582,
30.8841


 161.1094,
103.8816, 218.0600

 12.0721, 3.3736,
20.2529

 198.6423,
132.7307, 265.9301

 6.8654, 1.3297,
12.3931

 241.5937,
166.4801, 320.3385

 3.4236, 0.1641,
6.8862

290.3291,

 1.3815, 0.0000,

205.5143, 381.7038

3.3137

345.2138,
250.2176, 450.4444

■ 0.2430, 0.0000,
1.2569

■ 0.0000, 0.0000,
0.0261

■ 57.8564, 29.8007,
83.5917

■ 57.8564, 29.8007,
83.5917

■ 56.7209, 28.0263,
81.6821

■ 59.6068, 32.7987,
85.7251

■ 56.0556, 27.1865,
79.9471

■ 62.0574, 37.1913,
88.1098

■ 56.0553, 27.1861,
79.9462

■ 65.2821, 43.1263,
90.7708

■ 69.3450, 50.7315,
93.7296

■ 74.3034, 60.1218,
97.0054

■ 80.2095, 71.4016,
100.6155

■ 87.1115, 84.6672,
104.5762

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.



44.0545, 29.8007, 147.6712



57.8564, 29.8007, 83.5917



63.2349, 29.8007, 31.0249

Triad

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



57.8564, 29.8007, 83.5917



27.8234, 29.8007, 0.2437



11.3447, 29.8007, 88.3814

Complementary

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



57.8564, 29.8007, 83.5917



38.1697, 72.6417, 17.4804

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.



9.4282, 29.8007, 33.9137



57.8564, 29.8007, 83.5917



16.8709, 29.8007, 1.3073

Square

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



57.8564, 29.8007, 83.5917



42.8923, 29.8007, 1.1448



11.0729, 29.8007, 8.0804



17.4968, 29.8007, 151.6731

Rectangle

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



57.8564, 29.8007, 83.5917



60.2998, 29.8007, 12.2930



11.0729, 29.8007, 8.0804



10.2917, 29.8007, 67.4776

Sweetspot

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



57.8571, 29.8019, 83.5923



77.7269, 66.6504, 99.1283



21.6192, 10.8182, 95.5564



16.1923, 13.4176, 20.9443



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.



57.8571, 29.8019, 83.5923



56.2883, 27.4564, 80.6270



46.8689, 25.4066, 25.7292



18.7235, 18.2727, 22.4271



29.3173, 14.2162, 41.9171



2.8730, 1.3916, 4.1787

Inverse Universe

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



57.8571, 29.8019, 83.5923



56.2883, 27.4564, 80.6270



44.3822, 75.1267, 50.1947



18.7235, 18.2727, 22.4271



29.3173, 14.2162, 41.9171



2.8730, 1.3916, 4.1787

Previews

White Background



This preview shows how the XYZ color 57.8564, 29.8007, 83.5917 looks on a white background.

Color Contrast Check

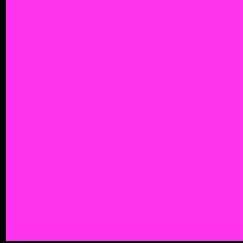
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.8564, 29.8007, 83.5917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

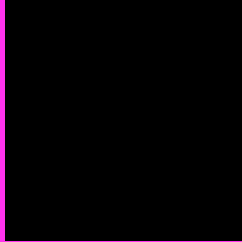
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.8564, 29.8007, 83.5917

Background



This preview shows how black text looks on a background with the XYZ color 57.8564, 29.8007, 83.5917.



This preview shows how white text looks on a background with the XYZ color 57.8564, 29.8007,

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

57.8564, 29.8007, 83.5917

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.8626, 30.0608, 75.4098



Tritanopia

44.1296, 29.4841, 17.8331

Trichromacy



Original Color

57.8564, 29.8007, 83.5917



Protanomaly

36.3009, 25.1770, 92.5689



Deuteranomaly

35.4979, 25.4159, 77.8977



Tritanomaly

47.4518, 28.3610, 34.4257

Monochromacy



Original Color

57.8564, 29.8007, 83.5917



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

30.3324, 21.9879, 41.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8564, 29.8007, 83.5917 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, 51, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 238)  
}
```

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, 51, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 238) }
```

Border

The CSS property to change the border of an element to XYZ 57.8564, 29.8007, 83.5917 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, 51, 238) }
```


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

```
.border{ border-color:rgb(255, 51, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8564, 29.8007, 83.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 238) }
```

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

```
.background{ background-color: rgb(255, 51,  
238) }
```

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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