

Converting Colors

XYZ(56.1320, 27.3497, 79.9407)

Have a look what the booklet for
XYZ(56.1320, 27.3497, 79.9407)
contains.

| | |
|--|----|
| XYZ(56.1781, 27.3742, 80.1647) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(56.1781, 27.3742,
80.1647)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF08EA |
| RGB | 255, 8, 234 |
| RGB Percent | 100%, 3%, 92% |
| CMY | 0.0000, 0.9684, 0.0824 |
| CMYK | 0.00, 0.97, 0.08, 0.00 |
| HSL | 305°, 100%, 52% |
| HSV | 305°, 97%, 100% |
| XYZ | 56.1781, 27.3742, 80.1647 |
| YIQ | 107.6170, 74.6660, 122.6500 |

Conversions

Conversions Part 2

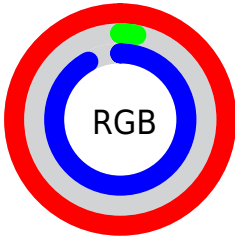
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 255, 8, 234 |
| Decimal | 16713962 |
| CIELab | 59.32, 94.96, -50.73 |
| CIELCh | 59, 107.662, 331.886 |
| Yxy | 27.3742, 0.3431, 0.1672 |
| Android (android.graphics.Color) | 4294904042 (0xFFFF08EA) |
| YUV | 107.6170, 62.3068, 129.2549 |
| Hunter-Lab | 52.3204, 100.1007, -54.2193 |

Details

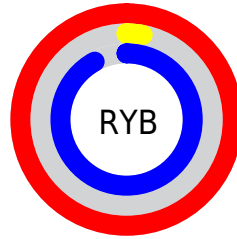
The XYZ color **56.1781, 27.3742, 80.1647** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **36.0832, 71.6609, 13.0959**, and the grayscale version is **13.9724, 14.7000, 16.0083**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **29.9281, 14.5118, 42.8186** is the 20% darker color. If you saturate the color by 10%, you get **55.9931, 27.1613, 79.6189**, and if you desaturate by 10%, it is **56.9642, 28.4446, 81.9735**.

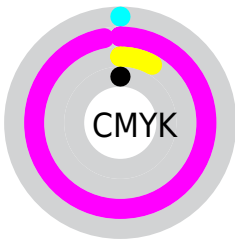
Distribution



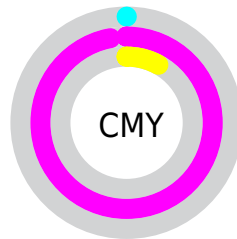
- Red (100%)
- Green (3%)
- Blue (92%)



- Red (100%)
- Yellow (3%)
- Blue (92%)



- Cyan (0%)
- Magenta (97%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1781, 27.3742, 80.1647 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 56.1781, 27.3742, 80.1647 by changing the saturation by 10% instead.


 56.1781, 27.3742,
80.1647


 56.1781, 27.3742,
80.1647

400.4265,
289.4644, 515.2091


 40.5833, 17.8545,
59.3269

 98.4032, 55.4838,
135.4108


 28.1799, 10.8455,
42.4546


 125.7643, 74.8424,
170.6561


 18.6024, 5.9631,
29.1292


 157.7781, 98.2494,
211.5411

 11.4857, 2.8226,
18.9322

 194.8101,
126.0892, 258.4842

 6.4642, 1.0399,
11.4450

 237.2255,
158.7462, 311.9041

 3.1727, 0.0000,
6.2490

285.3899,

 1.2457, 0.0000,

196.6048, 372.2191

2.9259

339.6684,
240.0494, 439.8480

■ 0.1420, 0.0000,
1.0569

■ 0.0000, 0.0000,
0.0000

■ 56.1781, 27.3742,
80.1647

■ 56.1781, 27.3742,
80.1647

■ 55.9931, 27.1613,
79.6189

■ 56.9642, 28.4446,
81.9735

■ 58.2889, 30.5862,
83.9805

■ 60.2568, 34.0080,
86.2208

■ 62.9500, 38.8745,
88.7219

66.4386, 45.3253,
91.5072

70.7841, 53.4840,
94.5973

76.0423, 63.4616,
98.0108

82.2640, 75.3599,
101.7647

89.4962, 89.2733,
105.8748

Harmonies

Analogous

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



42.2265, 27.3742, 147.4614



56.1781, 27.3742, 80.1647



61.4114, 27.3742, 27.4324

Triad

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



56.1781, 27.3742, 80.1647



25.1759, 27.3742, 0.0000



9.6474, 27.3742, 88.6168

Complementary

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



56.1781, 27.3742, 80.1647



36.0832, 71.6609, 13.0959

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.



7.7749, 27.3742, 32.3124



56.1781, 27.3742, 80.1647



14.6005, 27.3742, 0.7591

Square

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



56.1781, 27.3742, 80.1647



40.2217, 27.3742, 0.5114



9.2144, 27.3742, 6.7428



15.6274, 27.3742, 154.6581

Rectangle

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



56.1781, 27.3742, 80.1647



58.1873, 27.3742, 9.8325



9.2144, 27.3742, 6.7428



8.6321, 27.3742, 66.8586

Sweetspot

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



56.1787, 27.3753, 80.1652



74.8280, 61.1496, 97.2460



18.6337, 7.6507, 95.1024



15.5302, 12.1657, 20.5009



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.



56.1787, 27.3753, 80.1652



55.9931, 27.1613, 79.6189



44.1937, 22.5813, 17.0530



18.7221, 18.2722, 22.4197



29.2854, 14.2034, 41.7486



2.8702, 1.3905, 4.1641

Inverse Universe

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



56.1787, 27.3753, 80.1652



55.9931, 27.1613, 79.6189



41.5369, 73.8424, 41.8147



18.7221, 18.2722, 22.4197



29.2854, 14.2034, 41.7486



2.8702, 1.3905, 4.1641

Previews

White Background



This preview shows how the XYZ color 56.1781, 27.3742, 80.1647 looks on a white background.

Color Contrast Check

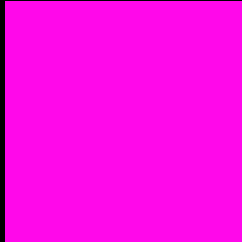
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.1781, 27.3742, 80.1647 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 56.1781, 27.3742, 80.1647

Background



This preview shows how black text looks on a background with the XYZ color 56.1781, 27.3742, 80.1647.



This preview shows how white text looks on a background with the XYZ color 56.1781, 27.3742,

80.1647.

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

56.1781, 27.3742, 80.1647

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.6846, 27.8764, 71.5790



Tritanopia

42.6497, 27.4134, 14.5987

Trichromacy



Original Color

56.1781, 27.3742, 80.1647



Protanomaly

32.8284, 20.6656, 90.2543



Deuteranomaly

32.0905, 20.9152, 73.5799



Tritanomaly

45.2930, 25.2182, 30.0842

Monochromacy



Original Color

56.1781, 27.3742, 80.1647



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

22.8480, 14.5449, 32.1751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1781, 27.3742, 80.1647 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, 8, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 234)  
}
```

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, 8, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.1781, 27.3742, 80.1647 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, 8, 234) }
```


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

```
.border{ border-color:rgb(255, 8, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1781, 27.3742, 80.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 234) }
```

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

```
.background{ background-color: rgb(255, 8,  
234) }
```

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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