

Converting Colors

XYZ(56.0842, 27.1977, 80.0984)

Have a look what the booklet for
XYZ(56.0842, 27.1977, 80.0984)
contains.

XYZ(56.0913, 27.2005, 80.1358)	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(56.0913, 27.2005,
80.1358)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00EA
RGB	255, 0, 234
RGB Percent	100%, 0%, 92%
CMY	0.0000, 0.9998, 0.0824
CMYK	0.00, 1.00, 0.08, 0.00
HSL	305°, 100%, 50%
HSV	305°, 100%, 100%
XYZ	56.0913, 27.2005, 80.1358
YIQ	102.9210, 76.8660, 126.8340

Conversions

Conversions Part 2

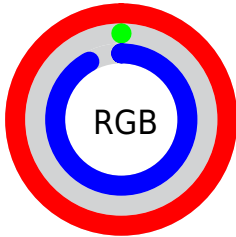
Format	Color
RYB	255, 0, 234
Decimal	16711914
CIELab	59.16, 95.43, -50.99
CIELCh	59, 108.198, 331.885
Yxy	27.2005, 0.3432, 0.1664
Android (android.graphics.Color)	4294901994 (0xFFFF00EA)
YUV	102.9210, 64.6219, 133.3733
Hunter-Lab	52.1541, 100.7056, -54.5924

Details

The XYZ color **56.0913, 27.2005, 80.1358** 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 **35.8964, 71.5746, 12.6352**, and the grayscale version is **12.6994, 13.3608, 14.5499**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.9281, 14.5118, 42.8186** is the 20% darker color. If you saturate the color by 10%, you get **56.0908, 27.2003, 80.1331**, and if you desaturate by 10%, it is **56.7544, 28.0409, 81.8548**.

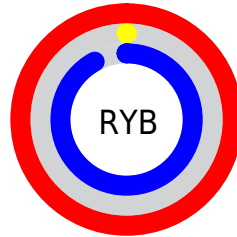
Distribution



Red (100%)

Green (0%)

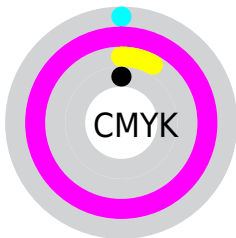
Blue (92%)



Red (100%)

Yellow (0%)

Blue (92%)

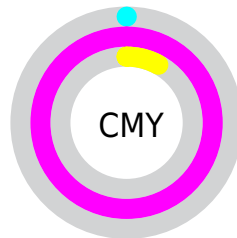


Cyan (0%)

Magenta (100%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0913, 27.2005, 80.1358 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 56.0913, 27.2005, 80.1358 by changing the saturation by 10% instead.


 56.0913, 27.2005,
80.1358


 56.0913, 27.2005,
80.1358

400.1049,
288.6266, 515.1092


 40.5134, 17.7239,
59.3033


 98.2771, 55.2054,
135.3698


 28.1251, 10.7519,
42.4357


 125.6157, 74.5025,
170.6083


 18.5609, 5.9003,
29.1145


 157.6053, 97.8419,
211.4859

 11.4555, 2.7845,
18.9211

 194.6112,
125.6079, 258.4212

 6.4437, 1.0203,
11.4371

 236.9987,
158.1850, 311.8326

 3.1599, 0.0000,
6.2438

285.1333,

 1.2389, 0.0000,

195.9576, 372.1387

2.9227

339.3802,
239.3100, 439.7580

■ 0.1367, 0.0000,
1.0553

■ 0.0000, 0.0000,
0.0000

■ 56.0913, 27.2005,
80.1358

■ 56.0913, 27.2005,
80.1358

■ 56.0908, 27.2003,
80.1331

■ 56.7544, 28.0409,
81.8548

■ 57.8881, 29.8168,
83.7481

■ 59.6354, 32.8140,
85.8637

■ 62.0836, 37.2073,
88.2308

65.3059, 43.1430,
90.8737

69.3664, 50.7492,
93.8141

74.3223, 60.1405,
97.0709

80.2260, 71.4214,
100.6616

87.1256, 84.6884,
104.6025

Harmonies

Analogous

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



42.0917, 27.2005, 147.8221



56.0913, 27.2005, 80.1358



61.3464, 27.2005, 27.2429

Triad

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



56.0913, 27.2005, 80.1358



25.0105, 27.2005, 0.0000



9.5061, 27.2005, 88.6263

Complementary

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



56.0913, 27.2005, 80.1358



35.8964, 71.5746, 12.6352

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.



7.6441, 27.2005, 32.1246



56.0913, 27.2005, 80.1358



14.4424, 27.2005, 0.7080

Square

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



56.0913, 27.2005, 80.1358



40.0821, 27.2005, 0.4592



9.0755, 27.2005, 6.6085



15.4668, 27.2005, 155.0643

Rectangle

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



56.0913, 27.2005, 80.1358



58.1090, 27.2005, 9.6776



9.0755, 27.2005, 6.6085



8.4962, 27.2005, 66.7681

Sweetspot

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



56.0919, 27.2016, 80.1363



74.3120, 60.1209, 97.0644



18.2825, 7.3406, 95.0610



15.4346, 11.9731, 20.4734



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.



56.0919, 27.2016, 80.1363



56.0908, 27.2003, 80.1331



44.0838, 22.3984, 16.9027



18.7243, 18.2730, 22.4314



29.3356, 14.2235, 42.0133



2.8746, 1.3922, 4.1871

Inverse Universe

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



56.0919, 27.2016, 80.1363



56.0908, 27.2003, 80.1331



40.8346, 73.5499, 38.6392



18.7243, 18.2730, 22.4314



29.3356, 14.2235, 42.0133



2.8746, 1.3922, 4.1871

Previews

White Background



This preview shows how the XYZ color 56.0913, 27.2005, 80.1358 looks on a white background.

Color Contrast Check

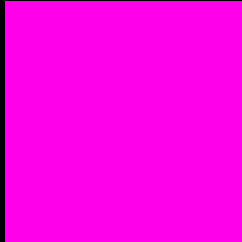
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.0913, 27.2005, 80.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

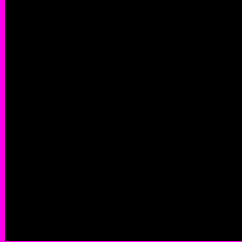
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.0913, 27.2005, 80.1358

Background



This preview shows how black text looks on a background with the XYZ color 56.0913, 27.2005, 80.1358.



This preview shows how white text looks on a background with the XYZ color 56.0913, 27.2005,

80.1358.

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

56.0913, 27.2005, 80.1358

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.5664, 27.8155, 71.5735



Tritanopia

42.6497, 27.4134, 14.5987

Trichromacy



Original Color

56.0913, 27.2005, 80.1358



Protanomaly

32.5736, 20.1561, 90.1694



Deuteranomaly

31.8289, 20.3920, 73.4926



Tritanomaly

45.1882, 25.0087, 30.0492

Monochromacy



Original Color

56.0913, 27.2005, 80.1358



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.6347, 13.3999, 30.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0913, 27.2005, 80.1358 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, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.0913, 27.2005, 80.1358 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, 0, 234) }
```


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

```
.border{ border-color:rgb(255, 0, 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, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0913, 27.2005, 80.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 234) }
```

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

```
.background{ background-color: rgb(255, 0,  
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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