

Converting Colors

XYZ(56.6529, 27.3175, 87.9574)

Have a look what the booklet for
XYZ(56.6529, 27.3175, 87.9574)
contains.

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Color

**XYZ(56.4740, 27.2271,
87.8668)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FC00F4 |
| RGB | 252, 0, 244 |
| RGB Percent | 99%, 0%, 96% |
| CMY | 0.0118, 0.9998, 0.0431 |
| CMYK | 0.00, 1.00, 0.03, 0.01 |
| HSL | 302°, 100%, 49% |
| HSV | 302°, 100%, 99% |
| XYZ | 56.4740, 27.2271, 87.8668 |
| YIQ | 103.1640, 71.8680, 129.3080 |

Conversions

Conversions Part 2

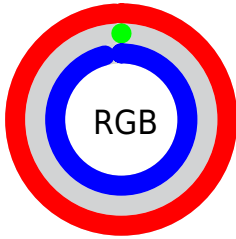
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 252, 0, 244 |
| Decimal | 16515316 |
| CIELab | 59.18, 96.28, -56.57 |
| CIElCh | 59, 111.669, 329.560 |
| Yxy | 27.2271, 0.3292, 0.1587 |
| Android (android.graphics.Color) | 4294705396 (0xFFFC00F4) |
| YUV | 103.1640, 69.4321, 130.5292 |
| Hunter-Lab | 52.1796, 101.8763, -63.3145 |

Details

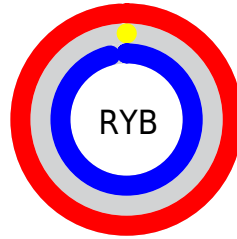
The XYZ color **56.4740, 27.2271, 87.8668** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.8555, 69.6396, 11.8358**, and the grayscale version is **12.7517, 13.4158, 14.6098**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **30.2048, 14.5350, 48.2273** is the 20% darker color. If you saturate the color by 10%, you get **56.4744, 27.2273, 87.8660**, and if you desaturate by 10%, it is **56.9493, 27.9820, 88.6262**.

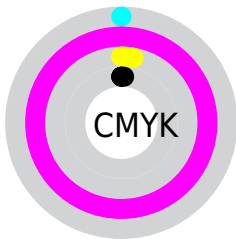
Distribution



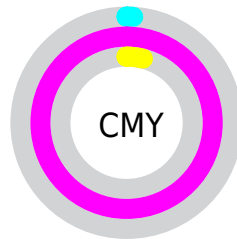
- Red (99%)
- Green (0%)
- Blue (96%)



- Red (99%)
- Yellow (0%)
- Blue (96%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4740, 27.2271, 87.8668 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 56.4740, 27.2271, 87.8668 by changing the saturation by 10% instead.


 56.4740, 27.2271,
87.8668


 56.4740, 27.2271,
87.8668

401.5215,
288.7550, 541.4569

 40.8216, 17.7439,
65.6491


 98.8331, 55.2481,
146.2812


 28.3667, 10.7662,
47.5329


 126.2704, 74.5546,
183.3149


 18.7442, 5.9099,
33.0998


 158.3668, 97.9043,
226.1244

 11.5885, 2.7904,
21.9311

 195.4876,
125.6817, 275.1282

 6.5343, 1.0233,
13.6085

 237.9981,
158.2710, 330.7448

 3.2163, 0.0000,
7.7132

286.2636,

 1.2692, 0.0000,

196.0568, 393.3928

3.8269

340.6497,
239.4233, 463.4906

■ 0.1600, 0.0000,
1.5309

■ 0.0000, 0.0000,
0.2408

■ 56.4740, 27.2271,
87.8668

■ 56.4740, 27.2271,
87.8668

■ 56.4744, 27.2273,
87.8660

■ 56.9493, 27.9820,
88.6262

■ 57.8785, 29.6446,
89.5394

■ 59.4018, 32.4945,
90.6532

■ 61.6038, 36.7012,
91.9959

64.5558, 42.4069,
93.5912

68.3198, 49.7358,
95.4597

72.9516, 58.7993,
97.6202

78.5018, 69.6989,
100.0894

85.0174, 82.5284,
102.8830

Harmonies

Analogous

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



41.4472, 27.2271, 158.6998



56.4740, 27.2271, 87.8668



62.9063, 27.2271, 30.2373

Triad

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



56.4740, 27.2271, 87.8668



26.0843, 27.2271, 0.0000



8.8865, 27.2271, 85.7830

Complementary

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



56.4740, 27.2271, 87.8668



34.8555, 69.6396, 11.8358

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.



7.2864, 27.2271, 29.0618



56.4740, 27.2271, 87.8668



14.7971, 27.2271, 0.3431

Square

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



56.4740, 27.2271, 87.8668



41.9357, 27.2271, 0.4030



8.9876, 27.2271, 5.3062



14.5536, 27.2271, 156.9080

Rectangle

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



56.4740, 27.2271, 87.8668



60.1576, 27.2271, 10.6816



8.9876, 27.2271, 5.3062



7.9696, 27.2271, 63.4063

Sweetspot

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



56.4751, 27.2284, 87.8673



74.9214, 60.3646, 100.2731



17.6246, 7.0568, 92.5298



15.5829, 12.0324, 21.2542



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.



56.4751, 27.2284, 87.8673



58.0134, 27.9694, 90.2577



43.6479, 22.0975, 20.3202



17.9678, 17.5145, 21.6864



29.4288, 14.1872, 45.8278



2.7329, 1.3169, 4.2828

Inverse Universe

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



56.4751, 27.2284, 87.8673



58.0134, 27.9694, 90.2577



38.8557, 71.2397, 32.9004



17.9678, 17.5145, 21.6864



29.4288, 14.1872, 45.8278



2.7329, 1.3169, 4.2828

Previews

White Background



This preview shows how the XYZ color 56.4740, 27.2271, 87.8668 looks on a white background.

Color Contrast Check

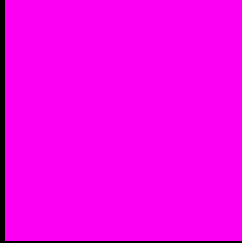
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.4740, 27.2271, 87.8668 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 56.4740, 27.2271, 87.8668

Background



This preview shows how black text looks on a background with the XYZ color 56.4740, 27.2271, 87.8668.



This preview shows how white text looks on a background with the XYZ color 56.4740, 27.2271,

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

56.4740, 27.2271, 87.8668

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.7322, 27.9833, 78.0157



Tritanopia

41.5062, 27.3296, 15.6579

Trichromacy



Original Color

56.4740, 27.2271, 87.8668



Protanomaly

33.0176, 20.3128, 93.4473



Deuteranomaly

31.4409, 20.1741, 80.0788



Tritanomaly

44.1194, 24.5478, 32.9847

Monochromacy



Original Color

56.4740, 27.2271, 87.8668



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.6856, 13.3976, 32.0149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4740, 27.2271, 87.8668 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(252, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 244)  
}
```

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(252, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 244) }
```

Border

The CSS property to change the border of an element to XYZ 56.4740, 27.2271, 87.8668 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(252, 0, 244) }
```


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

```
.border{ border-color:rgb(252, 0, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4740, 27.2271, 87.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 244) }
```

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

```
.background{ background-color: rgb(252, 0,  
244) }
```

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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