

Converting Colors

XYZ(56.1544, 27.5645, 79.4239)

Have a look what the booklet for
XYZ(56.1544, 27.5645, 79.4239)
contains.

XYZ(56.1643, 27.5758, 79.4533)	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(56.1643, 27.5758,
79.4533)**

Conversions

Conversions Part 1

Format	Color
Hex	FF12E9
RGB	255, 18, 233
RGB Percent	100%, 7%, 91%
CMY	0.0000, 0.9293, 0.0863
CMYK	0.00, 0.93, 0.09, 0.00
HSL	306°, 100%, 54%
HSV	306°, 93%, 100%
XYZ	56.1643, 27.5758, 79.4533
YIQ	113.3730, 72.2370, 117.1090

Conversions

Conversions Part 2

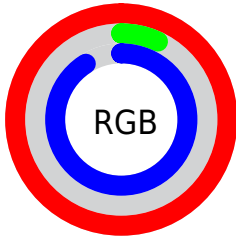
Format	Color
R _Y B	255, 18, 233
Decimal	16716521
CIE Lab	59.50, 94.13, -49.88
CIE LCh	60, 106.529, 332.081
Yxy	27.5758, 0.3442, 0.1690
Android (android.graphics.Color)	4294906601 (0xFFFF12E9)
YUV	113.3730, 58.9761, 124.2069
Hunter-Lab	52.5127, 99.0154, -52.9488

Details

The XYZ color **56.1643, 27.5758, 79.4533** 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 **36.3936, 71.8023, 13.9515**, and the grayscale version is **15.6277, 16.4415, 17.9048**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **29.9281, 14.5118, 42.8186** is the 20% darker color. If you saturate the color by 10%, you get **55.7099, 27.0480, 78.1277**, and if you desaturate by 10%, it is **57.1720, 29.0463, 81.4694**.

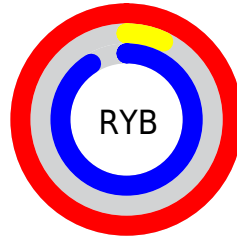
Distribution



Red (100%)

Green (7%)

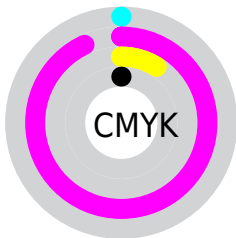
Blue (91%)



Red (100%)

Yellow (7%)

Blue (91%)

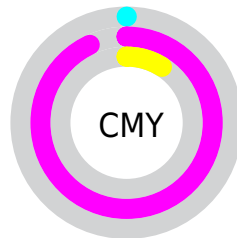


Cyan (0%)

Magenta (93%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (93%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1643, 27.5758, 79.4533 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 56.1643, 27.5758, 79.4533 by changing the saturation by 10% instead.


 56.1643, 27.5758,
79.4533

 56.1643, 27.5758,
79.4533


400.3754,
290.4343, 512.7466

 40.5722, 18.0061,
58.7451


 98.3832, 55.8065,
134.4013

 28.1711, 10.9544,
41.9893

 125.7407, 75.2363,
169.4781


 18.5958, 6.0362,
28.7674


 157.7506, 98.7216,
210.1815

 11.4809, 2.8671,
18.6609

 194.7784,
126.6467, 256.9301

 6.4609, 1.0627,
11.2512

 237.1895,
159.3962, 310.1423

 3.1706, 0.0000,
6.1197

285.3491,

 1.2446, 0.0000,

197.3544, 370.2368

2.8481

339.6226,
240.9056, 437.6320

■ 0.1412, 0.0000,
1.0176

■ 0.0000, 0.0000,
0.0000

■ 56.1643, 27.5758,
79.4533

■ 56.1643, 27.5758,
79.4533

■ 55.7099, 27.0480,
78.1277

■ 57.1720, 29.0463,
81.4694

■ 58.7639, 31.6779,
83.7023

■ 61.0337, 35.6580,
86.1838

■ 64.0582, 41.1401,
88.9395

67.9037, 48.2569,
91.9917

72.6294, 57.1266,
95.3599

78.2888, 67.8563,
99.0624

84.9313, 80.5448,
103.1155

92.6028, 95.2838,
107.5347

Harmonies

Analogous

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



42.3939, 27.5758, 145.7962



56.1643, 27.5758, 79.4533



61.2623, 27.5758, 27.4280

Triad

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



56.1643, 27.5758, 79.4533



25.2866, 27.5758, 0.0000



9.8913, 27.5758, 88.6547

Complementary

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



56.1643, 27.5758, 79.4533



36.3936, 71.8023, 13.9515

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.



7.9852, 27.5758, 32.7817



56.1643, 27.5758, 79.4533



14.7790, 27.5758, 0.8620

Square

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



56.1643, 27.5758, 79.4533



40.2028, 27.5758, 0.5917



9.4113, 27.5758, 7.0468



15.9113, 27.5758, 153.6051

Rectangle

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



56.1643, 27.5758, 79.4533



58.0262, 27.5758, 9.9661



9.4113, 27.5758, 7.0468



8.8625, 27.5758, 67.1321

Sweetspot

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



56.1649, 27.5769, 79.4538



75.2985, 62.1754, 97.1417



19.0581, 8.0616, 95.1593



15.6140, 12.3565, 20.4574



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.



56.1649, 27.5769, 79.4538



55.7099, 27.0480, 78.1277



44.6542, 22.9726, 18.8393



18.7157, 18.2696, 22.3858



29.1396, 14.1451, 40.9811



2.8576, 1.3854, 4.0974

Inverse Universe

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



56.1649, 27.5769, 79.4538



55.7099, 27.0480, 78.1277



42.0332, 74.0582, 43.6491



18.7157, 18.2696, 22.3858



29.1396, 14.1451, 40.9811



2.8576, 1.3854, 4.0974

Previews

White Background



This preview shows how the XYZ color 56.1643, 27.5758, 79.4533 looks on a white background.

Color Contrast Check

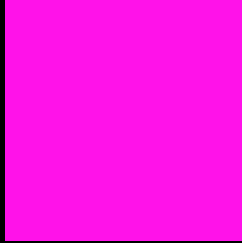
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.1643, 27.5758, 79.4533 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 56.1643, 27.5758, 79.4533

Background



This preview shows how black text looks on a background with the XYZ color 56.1643, 27.5758, 79.4533.



This preview shows how white text looks on a background with the XYZ color 56.1643, 27.5758,

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

56.1643, 27.5758, 79.4533

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.6720, 27.8852, 70.8890



Tritanopia

42.7369, 27.5878, 14.6278

Trichromacy



Original Color

56.1643, 27.5758, 79.4533



Protanomaly

33.3658, 21.4707, 90.3814



Deuteranomaly

32.5202, 21.6943, 72.9944



Tritanomaly

45.5724, 25.7772, 30.1773

Monochromacy



Original Color

56.1643, 27.5758, 79.4533



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

24.3272, 15.8824, 33.6817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1643, 27.5758, 79.4533 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, 18, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 233)  
}
```

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, 18, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 233) }
```

Border

The CSS property to change the border of an element to XYZ 56.1643, 27.5758, 79.4533 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, 18, 233) }
```


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

```
.border{ border-color:rgb(255, 18, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1643, 27.5758, 79.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 233) }
```

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

```
.background{ background-color: rgb(255, 18,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor