

Converting Colors

XYZ(55.7835, 27.0774, 78.5149)

Have a look what the booklet for
XYZ(55.7835, 27.0774, 78.5149)
contains.

XYZ(55.8055, 27.0862, 78.6308)	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(55.8055, 27.0862,
78.6308)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E8
RGB	255, 0, 232
RGB Percent	100%, 0%, 91%
CMY	0.0000, 0.9998, 0.0902
CMYK	0.00, 1.00, 0.09, 0.00
HSL	305°, 100%, 50%
HSV	305°, 100%, 100%
XYZ	55.8055, 27.0862, 78.6308
YIQ	102.6930, 77.5080, 126.2120

Conversions

Conversions Part 2

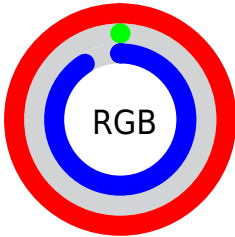
Format	Color
RYB	255, 0, 232
Decimal	16711912
CIELab	59.05, 95.17, -50.03
CIELCh	59, 107.521, 332.269
Yxy	27.0862, 0.3455, 0.1677
Android (android.graphics.Color)	4294901992 (0xFFFF00E8)
YUV	102.6930, 63.7484, 133.5732
Hunter-Lab	52.0444, 100.3220, -53.1467

Details

The XYZ color **55.8055, 27.0862, 78.6308** 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 **35.9158, 71.5824, 12.7371**, and the grayscale version is **12.6421, 13.3005, 14.4842**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.8288, 14.4720, 42.2955** is the 20% darker color. If you saturate the color by 10%, you get **55.8049, 27.0860, 78.6277**, and if you desaturate by 10%, it is **56.4941, 27.9368, 80.4835**.

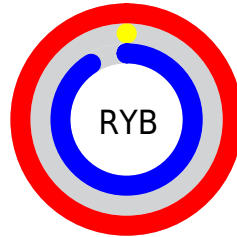
Distribution



Red (100%)

Green (0%)

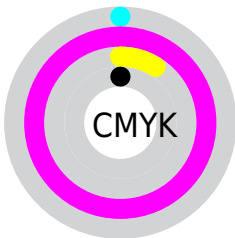
Blue (91%)



Red (100%)

Yellow (0%)

Blue (91%)

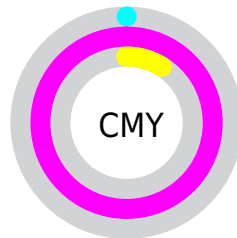


Cyan (0%)

Magenta (100%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8055, 27.0862, 78.6308 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 55.8055, 27.0862, 78.6308 by changing the saturation by 10% instead.


 55.8055, 27.0862,
78.6308


 55.8055, 27.0862,
78.6308


399.0450,
288.0742, 509.8910

 40.2834, 17.6380,
58.0728

 97.8616, 55.0222,
133.2329


 27.9448, 10.6904,
41.4521


 125.1263, 74.2787,
168.1141


 18.4243, 5.8590,
28.3501


 157.0359, 97.5734,
208.6068

 11.3565, 2.7596,
18.3484

 193.9558,
125.2908, 255.1294

 6.3762, 1.0075,
11.0284

 236.2513,
157.8151, 308.1007

 3.1180, 0.0000,
5.9715

284.2877,

 1.2165, 0.0000,

195.5309, 367.9390

2.7593

338.4305,
238.8225, 435.0629

■ 0.1193, 0.0000,
0.9731

■ 0.0000, 0.0000,
0.0000

■ 55.8055, 27.0862,
78.6308

■ 55.8055, 27.0862,
78.6308

■ 55.8049, 27.0860,
78.6277

■ 56.4941, 27.9368,
80.4835

■ 57.6539, 29.7232,
82.5141

■ 59.4280, 32.7312,
84.7707

■ 61.9037, 37.1356,
87.2826

■ 65.1543, 43.0827,
90.0742

■ 69.2438, 50.7006,
93.1669

■ 74.2294, 60.1039,
96.5799

■ 80.1635, 71.3971,
100.3307

■ 87.0943, 84.6766,
104.4354

Harmonies

Analogous

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



42.0252, 27.0862, 145.5529



55.8055, 27.0862, 78.6308



60.8550, 27.0862, 26.6762

Triad

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



55.8055, 27.0862, 78.6308



24.7416, 27.0862, 0.0000



9.5681, 27.0862, 88.7285

Complementary

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



55.8055, 27.0862, 78.6308



35.9158, 71.5824, 12.7371

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.



7.6705, 27.0862, 32.4999



55.8055, 27.0862, 78.6308



14.3278, 27.0862, 0.7622

Square

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



55.8055, 27.0862, 78.6308



39.6316, 27.0862, 0.4646



9.0522, 27.0862, 6.8056



15.5522, 27.0862, 154.1546

Rectangle

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



55.8055, 27.0862, 78.6308



57.5548, 27.0862, 9.4845



9.0522, 27.0862, 6.8056



8.5470, 27.0862, 67.0445

Sweetspot

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



55.8061, 27.0873, 78.6313



74.2187, 60.0836, 96.5728



18.3661, 7.3838, 95.0649



15.4120, 11.9640, 20.3540



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.



55.8061, 27.0873, 78.6313



55.8049, 27.0860, 78.6277



43.8566, 22.3075, 15.7062



18.7178, 18.2704, 22.3972



29.1885, 14.1647, 41.2385



2.8618, 1.3871, 4.1198

Inverse Universe

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



55.8061, 27.0873, 78.6313



55.8049, 27.0860, 78.6277



41.1672, 73.6829, 40.3905



18.7178, 18.2704, 22.3972



29.1885, 14.1647, 41.2385



2.8618, 1.3871, 4.1198

Previews

White Background



This preview shows how the XYZ color 55.8055, 27.0862, 78.6308 looks on a white background.

Color Contrast Check

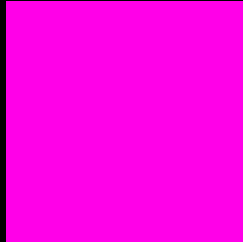
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.8055, 27.0862, 78.6308 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 55.8055, 27.0862, 78.6308

Background



This preview shows how black text looks on a background with the XYZ color 55.8055, 27.0862, 78.6308.



This preview shows how white text looks on a background with the XYZ color 55.8055, 27.0862,

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

55.8055, 27.0862, 78.6308

Protanopia

31.2658, 27.9546, 98.3556

Deuteranopia

28.5408, 27.8327, 70.1977



Tritanopia

42.5167, 27.2225, 14.3228

Trichromacy



Original Color

55.8055, 27.0862, 78.6308



Protanomaly

32.3935, 20.0632, 90.1609



Deuteranomaly

31.7583, 20.3870, 72.0733



Tritanomaly

45.0591, 24.8756, 29.6207

Monochromacy



Original Color

55.8055, 27.0862, 78.6308



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.5538, 13.3675, 30.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8055, 27.0862, 78.6308 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.8055, 27.0862, 78.6308 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, 232) }
```


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

```
.border{ border-color:rgb(255, 0, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8055, 27.0862, 78.6308 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, 232) }
```

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

```
.background{ background-color: rgb(255, 0,  
232) }
```

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