

Converting Colors

XYZ(55.7164, 27.9274, 75.4584)

Have a look what the booklet for
XYZ(55.7164, 27.9274, 75.4584)
contains.

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Color

**XYZ(55.6490, 27.8938,
75.1241)**

Conversions

Conversions Part 1

Format	Color
Hex	FF21E3
RGB	255, 33, 227
RGB Percent	100%, 13%, 89%
CMY	0.0000, 0.8705, 0.1098
CMYK	0.00, 0.87, 0.11, 0.00
HSL	308°, 100%, 56%
HSV	308°, 87%, 100%
XYZ	55.6490, 27.8938, 75.1241
YIQ	121.4940, 70.0380, 107.3980

Conversions

Conversions Part 2

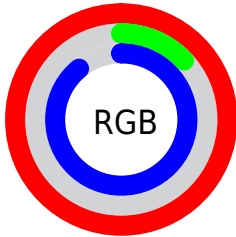
Format	Color
R _Y B	255, 33, 227
Decimal	16720355
CIE Lab	59.79, 91.60, -46.05
CIE LCh	60, 102.521, 333.309
Yxy	27.8938, 0.3507, 0.1758
Android (android.graphics.Color)	4294910435 (0xFFFF21E3)
YUV	121.4940, 52.0145, 117.0848
Hunter-Lab	52.8146, 95.6541, -47.3646

Details

The XYZ color **55.6490, 27.8938, 75.1241** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **37.2308, 72.1808, 16.3879**, and the grayscale version is **18.1585, 19.1041, 20.8044**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **29.3430, 14.2777, 39.7374** is the 20% darker color. If you saturate the color by 10%, you get **54.7469, 26.7934, 72.6537**, and if you desaturate by 10%, it is **57.0929, 30.0643, 77.8166**.

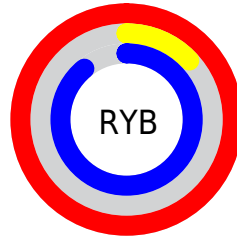
Distribution



Red (100%)

Green (13%)

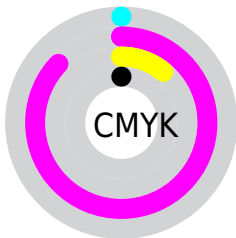
Blue (89%)



Red (100%)

Yellow (13%)

Blue (89%)

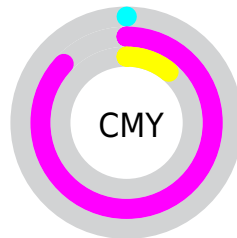


Cyan (0%)

Magenta (87%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6490, 27.8938, 75.1241 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 55.6490, 27.8938, 75.1241 by changing the saturation by 10% instead.


 55.6490, 27.8938,
75.1241


 55.6490, 27.8938,
75.1241

398.4639,
291.9591, 497.6108


 40.1575, 18.2456,
55.2122

 97.6340, 56.3148,
128.2367


 27.8461, 11.1265,
39.1719


 124.8581, 75.8565,
162.2746

 18.3495, 6.1520,
26.5846


 156.7239, 99.4648,
201.8581

 11.3024, 2.9377,
17.0318

 193.5966,
127.5240, 247.4060

 6.3394, 1.0993,
10.0950

 235.8416,
160.4187, 299.3366

 3.0952, 0.0000,
5.3556

283.8242,

 1.2043, 0.0000,

198.5332, 358.0686

2.3950

337.9099,
242.2519, 424.0205

■ 0.1097, 0.0000,
0.7837

■ 0.0000, 0.0000,
0.0000

■ 55.6490, 27.8938,
75.1241

■ 55.6490, 27.8938,
75.1241

■ 54.7469, 26.7934,
72.6537

■ 57.0929, 30.0643,
77.8166

■ 54.5371, 26.5788,
71.9515

■ 59.1820, 33.5120,
80.7651

■ 61.9994, 38.4029,
83.9976

■ 65.6153, 44.8773,
87.5379

70.0916, 53.0589,
91.4068

75.4840, 63.0591,
95.6230

81.8435, 74.9799,
100.2039

89.2174, 88.9156,
105.1652

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.7168, 27.8938, 137.8399



55.6490, 27.8938, 75.1241



60.0522, 27.8938, 26.4295

Triad

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



55.6490, 27.8938, 75.1241



25.0974, 27.8938, 0.0518



10.6452, 27.8938, 88.9678

Complementary

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



55.6490, 27.8938, 75.1241



37.2308, 72.1808, 16.3879

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.



8.5855, 27.8938, 34.6874



55.6490, 27.8938, 75.1241



15.0319, 27.8938, 1.2401

Square

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



55.6490, 27.8938, 75.1241



39.3782, 27.8938, 0.8036



9.8802, 27.8938, 8.2489



16.8069, 27.8938, 149.4625

Rectangle

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



55.6490, 27.8938, 75.1241



56.6758, 27.8938, 9.9586



9.8802, 27.8938, 8.2489



9.5613, 27.8938, 68.3459

Sweetspot

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



55.6497, 27.8950, 75.1246



76.1057, 64.2193, 96.0868



20.3933, 9.2362, 95.3157



15.8596, 12.9438, 20.2424



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.



55.6497, 27.8950, 75.1246



54.5371, 26.5788, 71.9515



45.0612, 23.6596, 19.3666



18.6882, 18.2586, 22.2414



28.5355, 13.9035, 37.8002



2.8048, 1.3643, 3.8197

Inverse Universe

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



55.6497, 27.8950, 75.1246



54.5371, 26.5788, 71.9515



43.6349, 74.7425, 50.1117



18.6882, 18.2586, 22.2414



28.5355, 13.9035, 37.8002



2.8048, 1.3643, 3.8197

Previews

White Background



This preview shows how the XYZ color 55.6490, 27.8938, 75.1241 looks on a white background.

Color Contrast Check

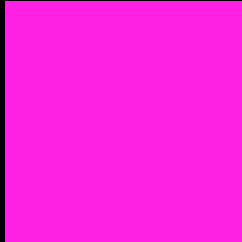
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.6490, 27.8938, 75.1241 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 55.6490, 27.8938, 75.1241

Background



This preview shows how black text looks on a background with the XYZ color 55.6490, 27.8938, 75.1241.



This preview shows how white text looks on a background with the XYZ color 55.6490, 27.8938,

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

55.6490, 27.8938, 75.1241

Protanopia

31.6947, 28.3936, 98.4178

Deuteranopia

28.8995, 28.0774, 67.5146



Tritanopia

43.1286, 27.7842, 14.8941

Trichromacy



Original Color

55.6490, 27.8938, 75.1241



Protanomaly

33.6272, 22.4849, 88.9539



Deuteranomaly

33.1535, 22.8143, 69.6741



Tritanomaly

45.7993, 26.3560, 29.8674

Monochromacy



Original Color

55.6490, 27.8938, 75.1241



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

26.5789, 18.3964, 35.4077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6490, 27.8938, 75.1241 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, 33, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 227)  
}
```

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, 33, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 227) }
```

Border

The CSS property to change the border of an element to XYZ 55.6490, 27.8938, 75.1241 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, 33, 227) }
```


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

```
.border{ border-color:rgb(255, 33, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6490, 27.8938, 75.1241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 227) }
```

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

```
.background{ background-color: rgb(255, 33,  
227) }
```

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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