

Converting Colors

XYZ(55.7867, 29.7658, 70.2477)

Have a look what the booklet for
XYZ(55.7867, 29.7658, 70.2477)
contains.

XYZ(55.8270, 29.7648, 70.5129)	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(55.8270, 29.7648,
70.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3DDC
RGB	255, 61, 220
RGB Percent	100%, 24%, 86%
CMY	0.0000, 0.7607, 0.1373
CMYK	0.00, 0.76, 0.14, 0.00
HSL	311°, 100%, 62%
HSV	311°, 76%, 100%
XYZ	55.8270, 29.7648, 70.5129
YIQ	137.1320, 64.5850, 90.5770

Conversions

Conversions Part 2

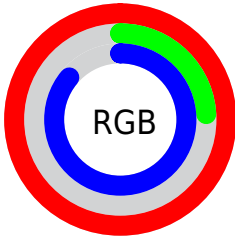
Format	Color
R _Y B	255, 61, 220
Decimal	16727516
CIE Lab	61.45, 84.89, -39.50
CIE LCh	61, 93.634, 335.049
Yxy	29.7648, 0.3576, 0.1907
Android (android.graphics.Color)	4294917596 (0xFFFF3DDC)
YUV	137.1320, 40.8539, 103.3702
Hunter-Lab	54.5571, 87.1798, -38.4400

Details

The XYZ color **55.8270, 29.7648, 70.5129** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **39.7971, 73.3572, 23.1310**, and the grayscale version is **23.6633, 24.8956, 27.1113**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **28.9490, 14.1497, 36.3273** is the 20% darker color. If you saturate the color by 10%, you get **54.1734, 27.4193, 66.9968**, and if you desaturate by 10%, it is **58.1451, 33.4122, 74.3339**.

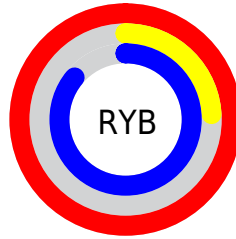
Distribution



Red (100%)

Green (24%)

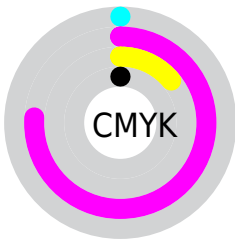
Blue (86%)



Red (100%)

Yellow (24%)

Blue (86%)

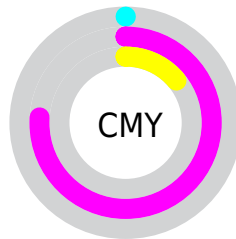


Cyan (0%)

Magenta (76%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8270, 29.7648, 70.5129 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 55.8270, 29.7648, 70.5129 by changing the saturation by 10% instead.


 55.8270, 29.7648,
70.5129


 55.8270, 29.7648,
70.5129


399.1248,
300.8066, 481.1865


 40.3007, 19.6601,
51.4654


 97.8929, 59.2900,
121.6279


 27.9583, 12.1482,
36.1998


 125.1631, 79.4794,
154.5324


 18.4345, 6.8447,
24.2977


 157.0788,
103.7991, 192.8930

 11.3640, 3.3652,
15.3403

 194.0051,
132.6335, 237.1283

 6.3813, 1.3252,
8.9093

 236.3075,
166.3671, 287.6568

 3.1211, 0.1606,
4.5861

284.3514,

 1.2181, 0.0000,

205.3842, 344.8969

1.9521

338.5020,
250.0692, 409.2673

■ 0.1206, 0.0000,
0.5256

■ 0.0000, 0.0000,
0.0000

■ 55.8270, 29.7648,
70.5129

■ 55.8270, 29.7648,
70.5129

■ 54.1734, 27.4193,
66.9968

■ 58.1451, 33.4122,
74.3339

■ 53.0813, 26.1704,
63.7497

■ 61.2066, 38.5194,
78.4857

■ 52.7477, 25.8631,
62.5287

■ 65.0816, 45.2264,
82.9928

■ 69.8313, 53.6555,
87.8761

■ 75.5111, 63.9170,
93.1547

■ 82.1717, 76.1121,
98.8461

■ 89.8600, 90.3346,
104.9666

■ 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.



44.2810, 29.7648, 126.3885



55.8270, 29.7648, 70.5129



59.2444, 29.7648, 26.7716

Triad

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



55.8270, 29.7648, 70.5129



26.2469, 29.7648, 0.8864



12.9350, 29.7648, 89.4409

Complementary

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



55.8270, 29.7648, 70.5129



39.7971, 73.3572, 23.1310

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.



10.5864, 29.7648, 38.7865



55.8270, 29.7648, 70.5129



16.7039, 29.7648, 2.5048

Square

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



55.8270, 29.7648, 70.5129



39.5672, 29.7648, 1.5663



11.7310, 29.7648, 11.3179



19.3901, 29.7648, 141.8441

Rectangle

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



55.8270, 29.7648, 70.5129



55.7999, 29.7648, 11.2656



11.7310, 29.7648, 11.3179



11.7406, 29.7648, 70.6906

Sweetspot

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



55.8277, 29.7661, 70.5134



77.4517, 67.4550, 94.8593



24.2684, 12.9039, 95.8194



16.0917, 13.5521, 19.8758



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.



55.8277, 29.7661, 70.5134



53.5726, 26.6817, 65.3660



46.6543, 26.0968, 22.2070



18.6438, 18.2408, 22.0072



27.6128, 13.5344, 32.9410



2.7236, 1.3318, 3.3917

Inverse Universe

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



55.8277, 29.7661, 70.5134



53.5726, 26.6817, 65.3660



47.0164, 76.2450, 61.1475



18.6438, 18.2408, 22.0072



27.6128, 13.5344, 32.9410



2.7236, 1.3318, 3.3917

Previews

White Background



This preview shows how the XYZ color 55.8270, 29.7648, 70.5129 looks on a white background.

Color Contrast Check

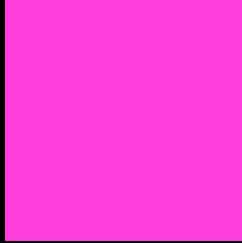
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.8270, 29.7648, 70.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

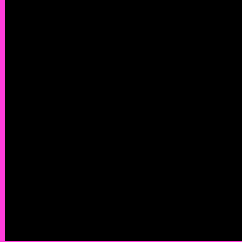
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.8270, 29.7648, 70.5129

Background



This preview shows how black text looks on a background with the XYZ color 55.8270, 29.7648, 70.5129.



This preview shows how white text looks on a background with the XYZ color 55.8270, 29.7648,

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

55.8270, 29.7648, 70.5129

Protanopia

33.3210, 30.1234, 98.6659

Deuteranopia

30.7210, 30.0107, 63.8480



Tritanopia

44.6157, 29.6020, 17.2722

Trichromacy



Original Color

55.8270, 29.7648, 70.5129



Protanomaly

35.7546, 25.5134, 87.0445



Deuteranomaly

35.5846, 26.2429, 65.4772



Tritanomaly

47.3845, 28.7502, 31.0689

Monochromacy



Original Color

55.8270, 29.7648, 70.5129



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

31.2661, 23.4306, 39.4339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8270, 29.7648, 70.5129 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, 61, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 220)  
}
```

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, 61, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.8270, 29.7648, 70.5129 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, 61, 220) }
```


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

```
.border{ border-color:rgb(255, 61, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8270, 29.7648, 70.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 220) }
```

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

```
.background{ background-color: rgb(255, 61,  
220) }
```

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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