

Converting Colors

XYZ(55.2681, 27.3210, 96.9683)

Have a look what the booklet for
XYZ(55.2681, 27.3210, 96.9683)
contains.

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Color

**XYZ(55.2988, 27.3590,
96.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	F224FF
RGB	242, 36, 255
RGB Percent	95%, 14%, 100%
CMY	0.0510, 0.8588, 0.0000
CMYK	0.05, 0.86, 0.00, 0.00
HSL	296°, 100%, 57%
HSV	296°, 86%, 100%
XYZ	55.2988, 27.3590, 96.9740
YIQ	122.5600, 52.4770, 111.7810

Conversions

Conversions Part 2

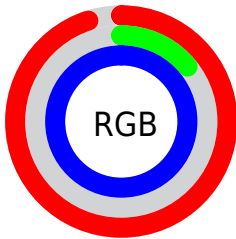
Format	Color
R _Y B	242, 36, 255
Decimal	15869183
CIE _{Lab}	59.31, 92.82, -62.59
CIE _{LCh}	59, 111.949, 326.008
Yxy	27.3590, 0.3078, 0.1523
Android (android.graphics.Color)	4294059263 (0xFFFF224FF)
YUV	122.5600, 65.2929, 104.7489
Hunter-Lab	52.3058, 97.1787, -73.3084

Details

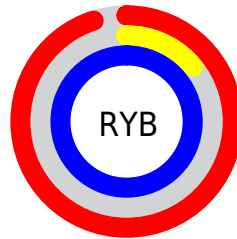
The XYZ color **55.2988, 27.3590, 96.9740** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **37.3459, 72.3007, 13.6573**, and the grayscale version is **18.4655, 19.4272, 21.1562**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **29.1341, 13.8550, 53.9621** is the 20% darker color. If you saturate the color by 10%, you get **54.2653, 26.0592, 96.7776**, and if you desaturate by 10%, it is **56.8866, 29.7592, 97.3536**.

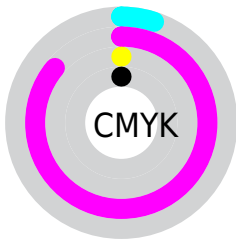
Distribution



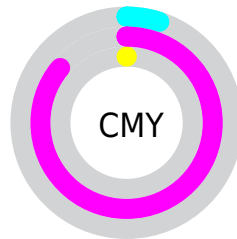
- Red (95%)
- Green (14%)
- Blue (100%)



- Red (95%)
- Yellow (14%)
- Blue (100%)



- Cyan (5%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2988, 27.3590, 96.9740 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 55.2988, 27.3590, 96.9740 by changing the saturation by 10% instead.

 55.2988, 27.3590,
96.9740

 55.2988, 27.3590,
96.9740

397.1616,
289.3912, 571.6104


 39.8758, 17.8430,
73.1731


 97.1244, 55.4594,
159.0079


 27.6255, 10.8373,
53.6248


 124.2577, 74.8126,
198.0780


 18.1826, 5.9576,
37.9107


 156.0251, 98.2137,
243.0749

 11.1816, 2.8193,
25.6121

 192.7920,
126.0471, 294.4171

 6.2573, 1.0381,
16.3105

 234.9237,
158.6971, 352.5233

 3.0443, 0.0000,
9.5874

282.7857,

 1.1772, 0.0000,

196.5482, 417.8118

5.0243

336.7432,
239.9848, 490.7013

■ 0.0883, 0.0000,
2.2025

■ 0.0000, 0.0000,
0.6758

■ 55.2988, 27.3590,
96.9740

■ 55.2988, 27.3590,
96.9740

■ 54.2653, 26.0592,
96.7776

■ 56.8866, 29.7592,
97.3536

■ 53.9391, 25.7215,
96.7296

■ 59.1257, 33.4564,
97.9492

■ 62.0977, 38.6133,
98.7879

■ 65.8719, 45.3679,
99.8928

70.5091, 53.8421,
101.2841

76.0644, 64.1462,
102.9802

82.5884, 76.3811,
104.9979

90.1279, 90.6404,
107.3528

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.



39.6760, 27.3590, 166.5692



55.2988, 27.3590, 96.9740



63.1379, 27.3590, 35.4826

Triad

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



55.2988, 27.3590, 96.9740



27.9225, 27.3590, 0.0000



8.5437, 27.3590, 77.9624

Complementary

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



55.2988, 27.3590, 96.9740



37.3459, 72.3007, 13.6573

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.



7.3390, 27.3590, 24.7401



55.2988, 27.3590, 96.9740



15.9003, 27.3590, 0.1145

Square

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



55.2988, 27.3590, 96.9740



44.1333, 27.3590, 0.6594



9.4671, 27.3590, 4.1391



13.6756, 27.3590, 150.2335

Rectangle

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



55.2988, 27.3590, 96.9740



61.3876, 27.3590, 13.1920



9.4671, 27.3590, 4.1391



7.7679, 27.3590, 56.4918

Sweetspot

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



55.2999, 27.3602, 96.9742



75.9901, 64.0075, 102.9573



19.9451, 9.9294, 95.4731



15.8311, 12.8923, 21.9040



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.



55.2999, 27.3602, 96.9742



53.9391, 25.7215, 96.7296



48.2258, 25.0644, 35.6026



18.6799, 18.2422, 22.7865



28.2302, 13.4637, 50.5454



2.7797, 1.3269, 4.9229

Inverse Universe

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



42.4260, 22.7445, 5.0612



41.3272, 21.2949, 2.3892



40.5786, 73.5315, 33.4944



18.0531, 18.0045, 18.8967



21.6113, 11.1338, 1.3374



2.1189, 1.0899, 0.2074

Previews

White Background



This preview shows how the XYZ color 55.2988, 27.3590, 96.9740 looks on a white background.

Color Contrast Check

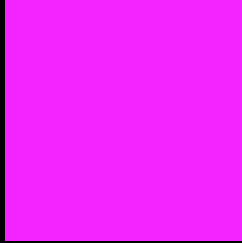
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.2988, 27.3590, 96.9740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

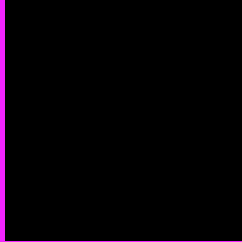
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.2988, 27.3590, 96.9740

Background



This preview shows how black text looks on a background with the XYZ color 55.2988, 27.3590, 96.9740.



This preview shows how white text looks on a background with the XYZ color 55.2988, 27.3590,

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

55.2988, 27.3590, 96.9740

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.6031, 27.7336, 86.2837



Tritanopia

38.8709, 27.0559, 18.2125

Trichromacy



Original Color

55.2988, 27.3590, 96.9740



Protanomaly

33.9567, 22.4735, 97.1559



Deuteranomaly

31.6863, 21.9300, 88.9491



Tritanomaly

42.3618, 25.2252, 37.2866

Monochromacy



Original Color

55.2988, 27.3590, 96.9740



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

26.8177, 18.5294, 40.6912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2988, 27.3590, 96.9740 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(242, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 36, 255)  
}
```

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(242, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 36, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2988, 27.3590, 96.9740 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(242, 36, 255) }
```


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

```
.border{ border-color:rgb(242, 36, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 36, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 36,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2988, 27.3590, 96.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 36, 255) }
```

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

```
.background{ background-color: rgb(242, 36,  
255) }
```

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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