

Converting Colors

XYZ(56.1322, 30.3145, 97.5005)

Have a look what the booklet for
XYZ(56.1322, 30.3145, 97.5005)
contains.

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Color

**XYZ(55.9640, 30.2055,
97.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	EF48FF
RGB	239, 72, 255
RGB Percent	94%, 28%, 100%
CMY	0.0627, 0.7176, 0.0000
CMYK	0.06, 0.72, 0.00, 0.00
HSL	295°, 100%, 64%
HSV	295°, 72%, 100%
XYZ	55.9640, 30.2055, 97.4883
YIQ	142.7950, 40.7890, 92.3170

Conversions

Conversions Part 2

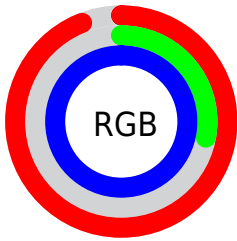
Format	Color
R _{YB}	239, 72, 255
Decimal	15681791
CIE _{Lab}	61.83, 83.60, -58.57
CIE _{LCh}	62, 102.075, 324.983
Yxy	30.2055, 0.3047, 0.1645
Android (android.graphics.Color)	4293871871 (0xFFEF48FF)
YUV	142.7950, 55.3171, 84.3718
Hunter-Lab	54.9595, 85.5832, -66.6981

Details

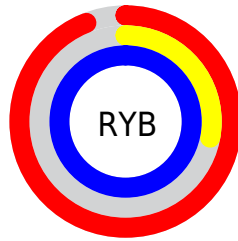
The XYZ color **55.9640, 30.2055, 97.4883** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **40.9550, 74.0630, 18.2692**, and the grayscale version is **25.8039, 27.1477, 29.5639**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **28.6684, 13.6149, 53.9403** is the 20% darker color. If you saturate the color by 10%, you get **53.8961, 27.1793, 97.0132**, and if you desaturate by 10%, it is **58.7264, 34.6050, 98.1920**.

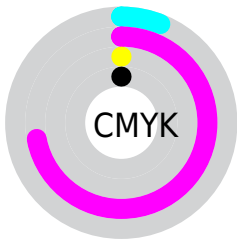
Distribution



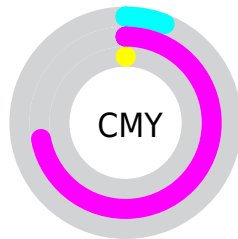
- Red (94%)
- Green (28%)
- Blue (100%)



- Red (94%)
- Yellow (28%)
- Blue (100%)



- Cyan (6%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9640, 30.2055, 97.4883 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 55.9640, 30.2055, 97.4883 by changing the saturation by 10% instead.


 55.9640, 30.2055,
97.4883

 55.9640, 30.2055,
97.4883

399.6330,
302.8612, 573.2873


 40.4109, 19.9946,
73.5994


 98.0921, 59.9870,
159.7229


 28.0447, 12.3911,
53.9714


 125.3978, 80.3264,
198.9056

 18.5000, 7.0106,
38.1858


 157.3517,
104.8108, 244.0235

 11.4114, 3.4688,
25.8240

 194.3193,
133.8246, 295.4949

 6.4136, 1.3811,
16.4674

236.6659,
167.7521, 353.7384

 3.1412, 0.2027,
9.6976

284.7568,

 1.2289, 0.0000,

206.9778, 419.1727

5.0959

338.9574,
251.8860, 492.2161

■ 0.1290, 0.0000,
2.2439

■ 0.0000, 0.0000,
0.6996

■ 55.9640, 30.2055,
97.4883

■ 55.9640, 30.2055,
97.4883

■ 53.8961, 27.1793,
97.0132

■ 58.7264, 34.6050,
98.1920

■ 52.4287, 25.3412,
96.7358

■ 62.2553, 40.5246,
99.1486

■ 51.5586, 24.4943,
96.6182

■ 66.6171, 48.0963,
100.3801

■ 71.8703, 57.4368,
101.9062

78.0681, 68.6523,
103.7443

85.2592, 81.8407,
105.9109

93.4892, 97.0928,
108.4211

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.



41.2607, 30.2055, 158.6053



55.9640, 30.2055, 97.4883



63.5271, 30.2055, 39.8986

Triad

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



55.9640, 30.2055, 97.4883



31.0628, 30.2055, 0.3441



10.9044, 30.2055, 75.8606

Complementary

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



55.9640, 30.2055, 97.4883



40.9550, 74.0630, 18.2692

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.



9.7170, 30.2055, 26.7520



55.9640, 30.2055, 97.4883



19.0028, 30.2055, 0.9846

Square

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



55.9640, 30.2055, 97.4883



46.5253, 30.2055, 1.7627



12.1511, 30.2055, 5.8851



16.1445, 30.2055, 140.5981

Rectangle

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



55.9640, 30.2055, 97.4883



62.1942, 30.2055, 17.0511



12.1511, 30.2055, 5.8851



10.1060, 30.2055, 56.3577

Sweetspot

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



55.9652, 30.2068, 97.4885



77.9090, 68.3625, 103.6968



24.4052, 15.9622, 96.4025



16.2968, 13.9432, 22.0823



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.



55.9652, 30.2068, 97.4885



53.2068, 26.2671, 96.8735



51.9810, 29.2650, 47.0584



18.6268, 18.2149, 22.7840



27.0054, 12.8323, 50.4881



2.6735, 1.2722, 4.9179

Inverse Universe

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



45.3196, 26.6004, 11.9795



42.5484, 22.7783, 5.7525



43.5597, 74.9487, 39.0416



18.0738, 18.0128, 19.0060



21.6478, 11.1484, 1.5298



2.1287, 1.0938, 0.2590

Previews

White Background



This preview shows how the XYZ color 55.9640, 30.2055, 97.4883 looks on a white background.

Color Contrast Check

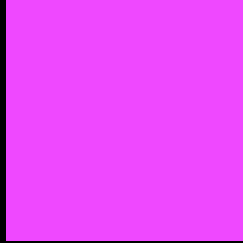
Large Text (above 18pt) WCAG AA × Fail

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 55.9640, 30.2055, 97.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

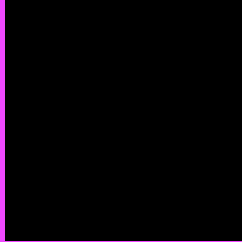
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9640, 30.2055, 97.4883

Background



This preview shows how black text looks on a background with the XYZ color 55.9640, 30.2055, 97.4883.



This preview shows how white text looks on a background with the XYZ color 55.9640, 30.2055,

97.4883.

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

55.9640, 30.2055, 97.4883

Protanopia

33.5844, 30.4871, 98.7222

Deuteranopia

31.4476, 30.5507, 88.2438



Tritanopia

40.4944, 29.8912, 23.0373

Trichromacy



Original Color

55.9640, 30.2055, 97.4883



Protanomaly

37.4093, 26.9930, 97.8462



Deuteranomaly

35.6021, 26.7455, 91.2816



Tritanomaly

44.4132, 28.9439, 42.2756

Monochromacy



Original Color

55.9640, 30.2055, 97.4883



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

33.3731, 25.6482, 48.5391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9640, 30.2055, 97.4883 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(239, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 72, 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(239, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 72, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9640, 30.2055, 97.4883 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(239, 72, 255) }
```


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

```
.border{ border-color:rgb(239, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(239, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 72,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9640, 30.2055, 97.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 72, 255) }
```

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

```
.background{ background-color: rgb(239, 72,  
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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