

Converting Colors

XYZ(56.4699, 39.2358, 70.4739)

Have a look what the booklet for
XYZ(56.4699, 39.2358, 70.4739)
contains.

XYZ(56.3098, 39.2355, 70.2510)	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(56.3098, 39.2355,
70.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	F081D9
RGB	240, 129, 217
RGB Percent	94%, 51%, 85%
CMY	0.0588, 0.4941, 0.1490
CMYK	0.00, 0.46, 0.10, 0.06
HSL	312°, 79%, 72%
HSV	312°, 46%, 94%
XYZ	56.3098, 39.2355, 70.2510
YIQ	172.2210, 37.9080, 50.9000

Conversions

Conversions Part 2

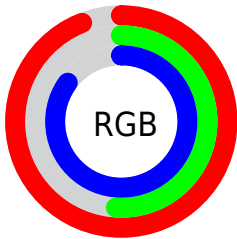
Format	Color
R _Y B	240, 129, 217
Decimal	15761881
CIE Lab	68.92, 53.90, -26.40
CIE LCh	69, 60.017, 333.900
Yxy	39.2355, 0.3396, 0.2366
Android (android.graphics.Color)	4293951961 (0xFFFF081D9)
YUV	172.2210, 22.0760, 59.4422
Hunter-Lab	62.6382, 50.8489, -22.6490

Details

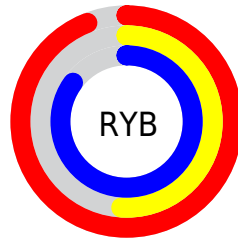
The XYZ color **56.3098, 39.2355, 70.2510** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.8826, 69.2556, 40.6578**, and the grayscale version is **39.2040, 41.2457, 44.9166**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **28.3291, 17.5859, 36.0837** is the 20% darker color. If you saturate the color by 10%, you get **52.8748, 33.3846, 65.9626**, and if you desaturate by 10%, it is **60.5091, 46.5824, 74.8911**.

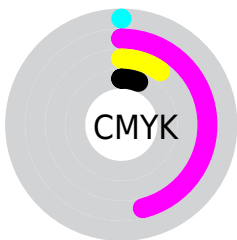
Distribution



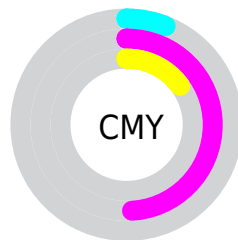
- Red (94%)
- Green (51%)
- Blue (85%)



- Red (94%)
- Yellow (51%)
- Blue (85%)



- Cyan (0%)
- Magenta (46%)
- Yellow (10%)
- Black (6%)





- Cyan (6%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3098, 39.2355, 70.2510 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 56.3098, 39.2355, 70.2510 by changing the saturation by 10% instead.


 56.3098, 39.2355,
70.2510

 56.3098, 39.2355,
70.2510


400.9141,
342.8907, 480.2437


 40.6893, 26.9430,
51.2531

 98.5946, 73.9979,
121.2511

 28.2630, 17.5304,
36.0320

 125.9896, 97.2367,
154.0904

 18.6655, 10.6134,
24.1690


 158.0402,
124.8929, 192.3806

 11.5314, 5.8075,
15.2457

195.1117,
157.3510, 236.5402

 6.4954, 2.7284,
8.8434

237.5695,
194.9955, 286.9878

 3.1921, 0.9916,
4.5438

285.7789,

 1.2561, 0.0000,

238.2107, 344.1419

1.9282

340.1053,
287.3809, 408.4210

■ 0.1500, 0.0000,
0.5106

■ 0.0000, 0.0000,
0.0000

■ 56.3098, 39.2355,
70.2510

■ 56.3098, 39.2355,
70.2510

■ 52.8748, 33.3846,
65.9626

■ 60.5091, 46.5824,
74.8911

■ 50.1475, 28.9188,
62.0051


■ 65.5167, 55.5153,
79.8973


■ 48.0692, 25.7204,
58.3584


■ 71.3778, 66.1233,
85.2859


■ 46.5699, 23.6496,
54.9983

■ 78.1330, 78.4875,
91.0710

 45.5626, 22.5327,
51.8951

 85.8203, 92.6836,
97.2663

 45.2592, 22.2549,
50.7793

 88.4594, 96.7510,
101.8791

 89.2367, 97.0619,
105.9723

 89.7455, 97.2654,
108.6518

Harmonies

Analogous

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



48.4874, 39.2355, 102.8428



56.3098, 39.2355, 70.2510



58.7502, 39.2355, 39.2462

Triad

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



56.3098, 39.2355, 70.2510



36.0583, 39.2355, 8.8206



24.0449, 39.2355, 79.2313

Complementary

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



56.3098, 39.2355, 70.2510



45.8826, 69.2556, 40.6578

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.



21.8216, 39.2355, 46.3947



56.3098, 39.2355, 70.2510



27.9682, 39.2355, 12.2694

Square

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



56.3098, 39.2355, 70.2510



45.9583, 39.2355, 10.7787



23.1256, 39.2355, 23.5262



29.7903, 39.2355, 109.3957

Rectangle

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



56.3098, 39.2355, 70.2510



56.7024, 39.2355, 24.7757



23.1256, 39.2355, 23.5262



22.9099, 39.2355, 67.7352

Sweetspot

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



56.3111, 39.2373, 70.2518



83.5315, 78.8324, 99.2974



36.3799, 28.5923, 86.0403



17.5388, 16.2528, 20.9544



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.



56.3111, 39.2373, 70.2518



61.0612, 38.9521, 76.2068



50.3353, 36.8470, 38.7837



16.3058, 15.9720, 19.1663



24.8252, 12.2025, 28.0597



2.1001, 1.0291, 2.5179

Inverse Universe

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



56.3111, 39.2373, 70.2518



61.0612, 38.9521, 76.2068



51.4407, 71.4788, 69.9266



16.3058, 15.9720, 19.1663



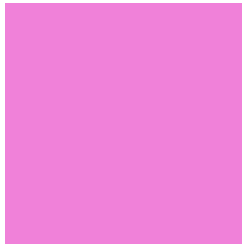
24.8252, 12.2025, 28.0597



2.1001, 1.0291, 2.5179

Previews

White Background



This preview shows how the XYZ color 56.3098, 39.2355, 70.2510 looks on a white background.

Color Contrast Check

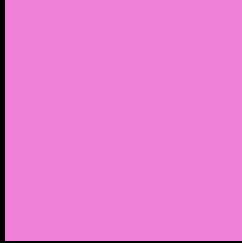
Large Text (above 18pt) WCAG AA × Fail

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 56.3098, 39.2355, 70.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

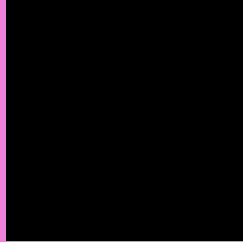
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3098, 39.2355, 70.2510

Background



This preview shows how black text looks on a background with the XYZ color 56.3098, 39.2355, 70.2510.



This preview shows how white text looks on a background with the XYZ color 56.3098, 39.2355,

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

56.3098, 39.2355, 70.2510

Protanopia

41.4453, 39.7046, 91.8656

Deuteranopia

40.3173, 39.3999, 67.1080



Tritanopia

49.1765, 39.2685, 35.1247

Trichromacy



Original Color

56.3098, 39.2355, 70.2510



Protanomaly

44.7467, 38.2456, 83.6210



Deuteranomaly

44.7243, 38.3369, 67.9933



Tritanomaly

51.5170, 39.1444, 45.9147

Monochromacy



Original Color

56.3098, 39.2355, 70.2510



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

43.9915, 39.2781, 52.8398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3098, 39.2355, 70.2510 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(240, 129, 217)` looks like.

```
.text, #text, p{  
    color:rgb(240, 129, 217)  
}
```

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(240, 129, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 129, 217) }
```

Border

The CSS property to change the border of an element to XYZ 56.3098, 39.2355, 70.2510 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(240, 129, 217) }
```


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

```
.border{ border-color:rgb(240, 129, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 129, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 129, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 129, 217);  
box-shadow:4px 4px 4px 4px rgb(240, 129,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3098, 39.2355, 70.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 129, 217) }
```

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

```
.background{ background-color: rgb(240,  
129, 217) }
```

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