

Converting Colors

XYZ(56.6257, 39.6746, 45.1544)

Have a look what the booklet for
XYZ(56.6257, 39.6746, 45.1544)
contains.

XYZ(56.6970, 39.7935, 45.2501)	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(56.6970, 39.7935,
45.2501)**

Conversions

Conversions Part 1

Format	Color
Hex	FF80AF
RGB	255, 128, 175
RGB Percent	100%, 50%, 69%
CMY	0.0000, 0.4980, 0.3137
CMYK	0.00, 0.50, 0.31, 0.00
HSL	338°, 100%, 75%
HSV	338°, 50%, 100%
XYZ	56.6970, 39.7935, 45.2501
YIQ	171.3310, 60.6050, 41.5410

Conversions

Conversions Part 2

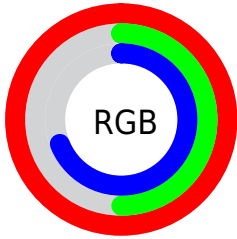
Format	Color
R_{YB}	255, 128, 175
Decimal	16744623
CIE _{Lab}	69.32, 53.13, -2.14
CIE _{LCh}	69, 53.173, 357.690
Yxy	39.7935, 0.4000, 0.2807
Android (android.graphics.Color)	4294934703 (0xFFFF80AF)
YUV	171.3310, 1.8088, 73.3777
Hunter-Lab	63.0821, 50.0388, 1.6275

Details

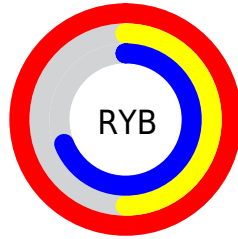
The XYZ color **56.6970, 39.7935, 45.2501** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **56.0492, 80.6642, 72.2945**, and the grayscale version is **38.8462, 40.8692, 44.5066**.

A 20% lighter version of the original color is **72.6634, 61.2542, 82.8564**, and **28.4634, 17.7972, 20.6739** is the 20% darker color. If you saturate the color by 10%, you get **52.2940, 33.3638, 36.4559**, and if you desaturate by 10%, it is **62.1256, 47.9734, 55.3129**.

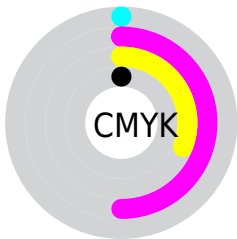
Distribution



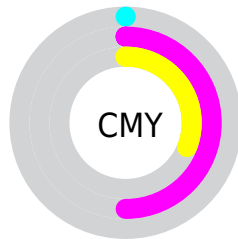
- Red (100%)
- Green (50%)
- Blue (69%)



- Red (100%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6970, 39.7935, 45.2501 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 56.6970, 39.7935, 45.2501 by changing the saturation by 10% instead.


 56.6970, 39.7935,
45.2501


 56.6970, 39.7935,
45.2501


402.3455,
345.2524, 383.9752


 41.0012, 27.3776,
31.3101


 99.1568, 74.8490,
84.4180

 28.5077, 17.8570,
20.5746

 126.6516, 98.2573,
110.4830

 18.8511, 10.8474,
12.6252


 158.8101,
126.0985, 141.4267

 11.6661, 5.9643,
7.0433

195.9976,
158.7571, 177.6677

 6.5873, 2.8234,
3.4103

238.5796,
196.6174, 219.6245

 3.2494, 1.0402,
1.3078

286.9213,

 1.2870, 0.0000,

240.0638, 267.7156

0.0682

341.3882,
289.4807, 322.3597

■ 0.1735, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6970, 39.7935,
45.2501

■ 56.6970, 39.7935,
45.2501

■ 52.2940, 33.3638,
36.4559

■ 62.1256, 47.9734,
55.3129

■ 48.8427, 28.5481,
28.8723

■ 68.6398, 58.0145,
66.6940

■ 46.2645, 25.1996,
22.4392

■ 76.2989, 70.0255,
79.4428

■ 44.4648, 23.1412,
17.0888

■ 85.1568, 84.1050,
93.6054

■ 43.2966, 22.0915, 95.0500, 100.0000,
12.7329 108.9000

■ 43.2767, 22.0747,
12.6550

Harmonies

Analogous

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



53.4513, 39.7935, 73.6062



56.6970, 39.7935, 45.2501



54.2885, 39.7935, 24.9573

Triad

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



56.6970, 39.7935, 45.2501



30.6998, 39.7935, 13.6199



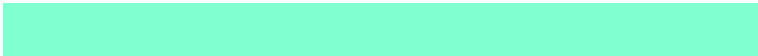
29.7139, 39.7935, 96.4044

Complementary

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



56.6970, 39.7935, 45.2501



56.0492, 80.6642, 72.2945

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.



25.0762, 39.7935, 69.0337



56.6970, 39.7935, 45.2501



25.5824, 39.7935, 22.7544

Square

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



56.6970, 39.7935, 45.2501



38.4877, 39.7935, 11.2963



23.6843, 39.7935, 41.4618



37.1650, 39.7935, 109.2713

Rectangle

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



56.6970, 39.7935, 45.2501



49.9756, 39.7935, 17.0429



23.6843, 39.7935, 41.4618



27.8191, 39.7935, 88.1890

Sweetspot

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



56.6981, 39.7955, 45.2508



80.3988, 76.5210, 86.0630



51.3126, 35.8279, 98.8188



16.8160, 15.7554, 17.7902



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.



56.6981, 39.7955, 45.2508



52.2162, 33.2527, 36.2934



54.9327, 42.4106, 25.7155



18.2873, 18.0982, 20.1300



22.6788, 11.5608, 6.9590



2.2588, 1.1459, 0.9441

Inverse Universe

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



56.6981, 39.7955, 45.2508



52.2162, 33.2527, 36.2934



58.1676, 74.2385, 105.8714



18.2873, 18.0982, 20.1300



22.6788, 11.5608, 6.9590



2.2588, 1.1459, 0.9441

Previews

White Background



This preview shows how the XYZ color 56.6970, 39.7935, 45.2501 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 56.6970, 39.7935, 45.2501 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 56.6970, 39.7935, 45.2501

Background



This preview shows how black text looks on a background with the XYZ color 56.6970, 39.7935, 45.2501.



This preview shows how white text looks on a background with the XYZ color 56.6970, 39.7935,

45.2501.

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

56.6970, 39.7935, 45.2501

Protanopia

39.5322, 39.9619, 60.2734

Deuteranopia

40.6866, 39.8546, 43.0844



Tritanopia

53.7040, 39.7593, 31.2293

Trichromacy



Original Color

56.6970, 39.7935, 45.2501



Protanomaly

43.5602, 38.2798, 54.3831



Deuteranomaly

45.2813, 38.9224, 43.6543



Tritanomaly

54.6757, 39.7517, 35.8015

Monochromacy



Original Color

56.6970, 39.7935, 45.2501



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

43.5249, 38.9778, 44.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6970, 39.7935, 45.2501 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, 128, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 175)  
}
```

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, 128, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 175) }
```

Border

The CSS property to change the border of an element to XYZ 56.6970, 39.7935, 45.2501 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, 128, 175) }
```


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

```
.border{ border-color:rgb(255, 128, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6970, 39.7935, 45.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 175) }
```

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

```
.background{ background-color: rgb(255,  
128, 175) }
```

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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