

# Converting Colors

XYZ(47.2499, 26.3417, 56.0275)

Have a look what the booklet for  
XYZ(47.2499, 26.3417, 56.0275)  
contains.

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# Color

**XYZ(47.2462, 26.3380,  
56.0197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED45C6
RGB	237, 69, 198
RGB Percent	93%, 27%, 78%
CMY	0.0706, 0.7294, 0.2235
CMYK	0.00, 0.71, 0.16, 0.07
HSL	314°, 82%, 60%
HSV	314°, 71%, 93%
XYZ	47.2462, 26.3380, 56.0197
YIQ	133.9380, 58.7190, 75.7350

# Conversions

## Conversions Part 2

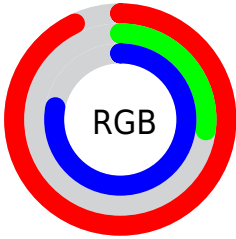
Format	Color
R <sub>Y</sub> B	237, 69, 198
Decimal	15549894
CIE Lab	58.36, 75.57, -32.06
CIE LCh	58, 82.093, 337.013
Yxy	26.3380, 0.3645, 0.2032
Android (android.graphics.Color)	4293739974 (0xFFED45C6)
YUV	133.9380, 31.5826, 90.3854
Hunter-Lab	51.3206, 74.5178, -28.7945

# Details

The XYZ color **47.2462, 26.3380, 56.0197** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **35.4466, 62.9172, 24.4661**, and the grayscale version is **22.5115, 23.6839, 25.7918**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **23.1655, 11.3607, 27.3574** is the 20% darker color. If you saturate the color by 10%, you get **45.4453, 23.7330, 52.3449**, and if you desaturate by 10%, it is **49.6537, 30.1183, 60.0108**.

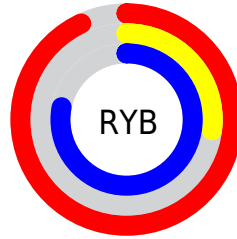
# Distribution



Red (93%)

Green (27%)

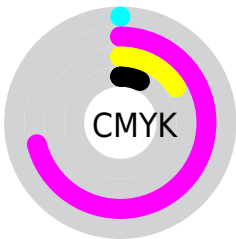
Blue (78%)



Red (93%)

Yellow (27%)

Blue (78%)

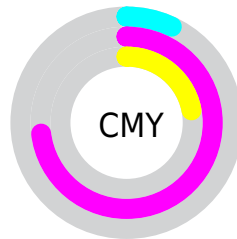


Cyan (0%)

Magenta (71%)

Yellow (16%)

Black (7%)



Cyan (7%)

Magenta (73%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2462, 26.3380, 56.0197 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 47.2462, 26.3380, 56.0197 by changing the saturation by 10% instead.





 47.2462, 26.3380,  
56.0197


 47.2462, 26.3380,  
56.0197


366.4289,  
284.4374, 427.1561

 33.4391, 17.0767,  
39.8146


 85.2975, 53.8197,  
100.5195


 22.6239, 10.2892,  
27.0813


 110.2724, 72.8089,  
129.6512

 14.4352, 5.5911,  
17.4013


 139.7007, 95.8095,  
163.9290

 8.5077, 2.5981,  
10.3561

 173.9475,  
123.2059, 203.7712

 4.4760, 0.9257,  
5.5270

 213.3785,  
155.3825, 249.5965

 1.9748, 0.0000,  
2.4956

258.3588,

 0.6197, 0.0000,

192.7237, 301.8234

0.8378

309.2538,  
235.6138, 360.8704

■ 0.0000, 0.0000,  
0.0000

■ 47.2462, 26.3380,  
56.0197

■ 47.2462, 26.3380,  
56.0197

■ 45.4453, 23.7330,  
52.3449

■ 49.6537, 30.1183,  
60.0108

■ 44.1740, 22.1513,  
48.9590


■ 52.7272, 35.1938,  
64.3387


■ 43.3666, 21.3812,  
46.0862


■ 56.5219, 41.6739,  
69.0231

■ 61.0862, 49.6554,  
74.0812

■ 66.4644, 59.2263,  
79.5290

 72.6974, 70.4679,  
85.3812

 79.8232, 83.4560,  
91.6515

 86.7149, 95.9365,  
97.9654

 87.5541, 96.2722,  
102.3844

# Harmonies

## Analogous

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



38.4911, 26.3380, 98.9936



47.2462, 26.3380, 56.0197



49.3907, 26.3380, 22.4631

# Triad

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



47.2462, 26.3380, 56.0197



22.7574, 26.3380, 1.3881



12.6008, 26.3380, 76.2702

# Complementary

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



47.2462, 26.3380, 56.0197



35.4466, 62.9172, 24.4661

# 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.



10.3836, 26.3380, 35.9441



47.2462, 26.3380, 56.0197



15.1471, 26.3380, 3.3468

# Square

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



47.2462, 26.3380, 56.0197



33.3219, 26.3380, 1.9837



11.1722, 26.3380, 12.0952



18.2478, 26.3380, 115.1666



# Rectangle

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



47.2462, 26.3380, 56.0197



46.3791, 26.3380, 10.2274



11.1722, 26.3380, 12.0952



11.5092, 26.3380, 61.6832

# Sweetspot

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



47.2471, 26.3393, 56.0202



78.3442, 69.6884, 93.7744



23.2886, 13.3999, 81.4802



16.3720, 14.2065, 19.6804



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.



47.2471, 26.3393, 56.0202



52.9220, 27.0546, 59.9882



40.2418, 23.5372, 19.1309



15.5565, 15.2505, 18.2160



23.7293, 11.6944, 25.4396



1.8996, 0.9328, 2.1886



# Inverse Universe

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



47.2471, 26.3393, 56.0202



52.9220, 27.0546, 59.9882



41.9685, 65.5260, 58.8097



15.5565, 15.2505, 18.2160



23.7293, 11.6944, 25.4396



1.8996, 0.9328, 2.1886



# Previews

## White Background



This preview shows how the XYZ color 47.2462, 26.3380, 56.0197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

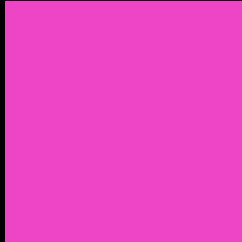
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2462, 26.3380, 56.0197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

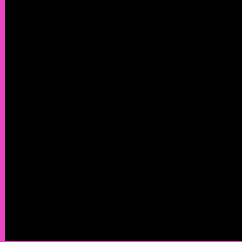
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.2462, 26.3380, 56.0197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2462, 26.3380, 56.0197.



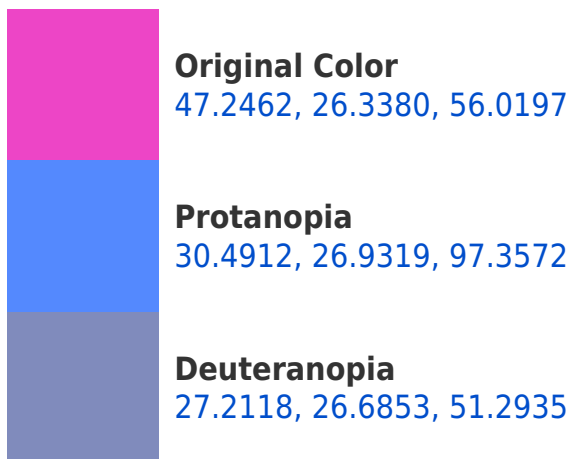
This preview shows how white text looks on a background with the XYZ color 47.2462, 26.3380,



# 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





## Tritanopia

38.8613, 26.2288, 16.1112

# Trichromacy



## Original Color

47.2462, 26.3380, 56.0197



## Protanomaly

31.4607, 23.1043, 80.6433



## Deuteranomaly

31.6802, 24.1652, 52.8638



## Tritanomaly

40.9506, 25.6403, 26.8355

# Monochromacy



## Original Color

47.2462, 26.3380, 56.0197



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

28.4563, 22.2441, 34.6920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2462, 26.3380, 56.0197 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(237, 69, 198)` looks like.

```
.text, #text, p{  
    color:rgb(237, 69, 198)  
}
```

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(237, 69, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 69, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2462, 26.3380, 56.0197 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(237, 69, 198) }
```



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

```
.border{ border-color:rgb(237, 69, 198) }
```

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

Here you see how a box with a 4 pixel rgb(237, 69, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 69, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 69, 198);  
box-shadow:4px 4px 4px 4px rgb(237, 69,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2462, 26.3380, 56.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 69, 198) }
```

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

```
.background{ background-color: rgb(237, 69,  
198) }
```

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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