

Converting Colors

XYZ(47.5490, 24.1365, 56.1247)

Have a look what the booklet for
XYZ(47.5490, 24.1365, 56.1247)
contains.

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Color

**XYZ(47.4706, 24.0885,
56.1804)**

Conversions

Conversions Part 1

Format	Color
Hex	F221C7
RGB	242, 33, 199
RGB Percent	95%, 13%, 78%
CMY	0.0510, 0.8705, 0.2196
CMYK	0.00, 0.86, 0.18, 0.05
HSL	312°, 89%, 54%
HSV	312°, 86%, 95%
XYZ	47.4706, 24.0885, 56.1804
YIQ	114.4150, 71.2780, 95.9340

Conversions

Conversions Part 2

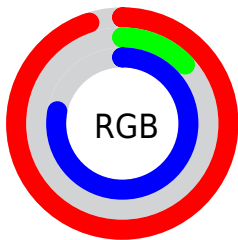
Format	Color
R _Y B	242, 33, 199
Decimal	15868359
CIE Lab	56.18, 85.60, -35.97
CIE LCh	56, 92.849, 337.207
Yxy	24.0885, 0.3716, 0.1886
Android (android.graphics.Color)	4294058439 (0xFFFF221C7)
YUV	114.4150, 41.7004, 111.8920
Hunter-Lab	49.0800, 86.7565, -33.5114

Details

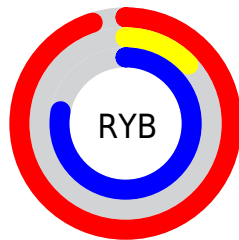
The XYZ color **47.4706, 24.0885, 56.1804** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **33.6854, 64.3504, 17.4867**, and the grayscale version is **15.9857, 16.8182, 18.3150**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **24.1669, 11.8681, 27.8051** is the 20% darker color. If you saturate the color by 10%, you get **46.4539, 22.9648, 53.0355**, and if you desaturate by 10%, it is **48.9889, 26.1841, 59.5861**.

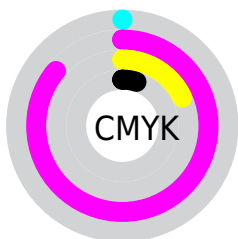
Distribution



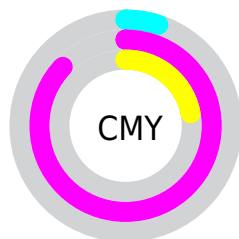
- Red (95%)
- Green (13%)
- Blue (78%)



- Red (95%)
- Yellow (13%)
- Blue (78%)



- Cyan (0%)
- Magenta (86%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4706, 24.0885, 56.1804 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 47.4706, 24.0885, 56.1804 by changing the saturation by 10% instead.


 47.4706, 24.0885,
56.1804


 47.4706, 24.0885,
56.1804


367.3075,
273.2676, 427.7784


 33.6173, 15.3993,
39.9426


 85.6301, 50.1746,
100.7567


 22.7613, 9.1001,
27.1804

 110.6671, 68.3402,
129.9323


 14.5371, 4.8065,
17.4751


 140.1627, 90.4335,
164.2576

 8.5793, 2.1342,
10.4083

 174.4823,
116.8387, 204.1512

 4.5227, 0.6838,
5.5614

 213.9912,
147.9404, 250.0315

 2.0019, 0.0000,
2.5158

259.0548,

 0.6350, 0.0000,

184.1228, 302.3171

0.8485

310.0384,
225.7704, 361.4265

■ 0.0000, 0.0000,
0.0000

■ 47.4706, 24.0885,
56.1804

■ 47.4706, 24.0885,
56.1804

■ 46.4539, 22.9648,
53.0355

■ 48.9889, 26.1841,
59.5861

■ 46.1554, 22.6923,
51.9363

■ 51.0955, 29.4263,
63.2820

■ 53.8630, 33.9593,
67.2932

■ 57.3524, 39.9051,
71.6411

■ 61.6178, 47.3716,
76.3443

66.7082, 56.4563,
81.4201

72.6682, 67.2484,
86.8841

79.5394, 79.8306,
92.7511

87.3606, 94.2803,
99.0347

Harmonies

Analogous

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



37.6628, 24.0885, 106.2786



47.4706, 24.0885, 56.1804



49.8489, 24.0885, 19.5313

Triad

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



47.4706, 24.0885, 56.1804



20.4189, 24.0885, 0.3314



10.1419, 24.0885, 80.1546

Complementary

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



47.4706, 24.0885, 56.1804



33.6854, 64.3504, 17.4867

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.



7.9854, 24.0885, 34.3040



47.4706, 24.0885, 56.1804



12.6021, 24.0885, 1.7519

Square

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



47.4706, 24.0885, 56.1804



31.7907, 24.0885, 0.7870



8.7198, 24.0885, 9.4249



15.8366, 24.0885, 126.1180

Rectangle

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



47.4706, 24.0885, 56.1804



46.3941, 24.0885, 7.5019



8.7198, 24.0885, 9.4249



9.0750, 24.0885, 63.2674

Sweetspot

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



47.4714, 24.0897, 56.1808



75.3039, 63.8985, 91.8644



19.4588, 8.9881, 84.7142



15.6666, 12.8666, 19.2264



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.



47.4714, 24.0897, 56.1808



51.9636, 25.5495, 58.3999



39.2608, 20.8055, 12.9441



16.3068, 15.9724, 19.1717



24.8459, 12.2108, 28.1690



2.1016, 1.0297, 2.5261

Inverse Universe

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



47.4714, 24.0897, 56.1808



51.9636, 25.5495, 58.3999



40.5479, 67.0954, 53.6242



16.3068, 15.9724, 19.1717



24.8459, 12.2108, 28.1690



2.1016, 1.0297, 2.5261

Previews

White Background



This preview shows how the XYZ color 47.4706, 24.0885, 56.1804 looks on a white background.

Color Contrast Check

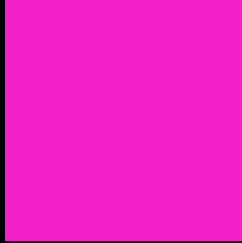
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4706, 24.0885, 56.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

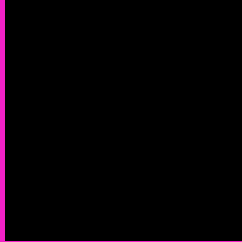
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.4706, 24.0885, 56.1804

Background



This preview shows how black text looks on a background with the XYZ color 47.4706, 24.0885, 56.1804.



This preview shows how white text looks on a background with the XYZ color 47.4706, 24.0885,

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

47.4706, 24.0885, 56.1804

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

24.8284, 24.2145, 50.3790



Tritanopia

38.1334, 24.0469, 11.8642

Trichromacy



Original Color

47.4706, 24.0885, 56.1804



Protanomaly

28.4477, 19.0079, 80.7668



Deuteranomaly

28.7829, 20.0975, 51.6524



Tritanomaly

40.3787, 23.1720, 22.7665

Monochromacy



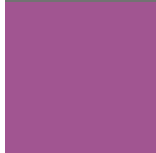
Original Color

47.4706, 24.0885, 56.1804



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.0573, 16.1184, 28.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4706, 24.0885, 56.1804 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, 33, 199)` looks like.

```
.text, #text, p{  
    color:rgb(242, 33, 199)  
}
```

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, 33, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 33, 199) }
```

Border

The CSS property to change the border of an element to XYZ 47.4706, 24.0885, 56.1804 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, 33, 199) }
```


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

```
.border{ border-color:rgb(242, 33, 199) }
```

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

Here you see how a box with a 4 pixel rgb(242, 33, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 33, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 33, 199);  
box-shadow:4px 4px 4px 4px rgb(242, 33,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4706, 24.0885, 56.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 33, 199) }
```

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

```
.background{ background-color: rgb(242, 33,  
199) }
```

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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