

Converting Colors

XYZ(48.6853, 26.3747, 57.0248)

Have a look what the booklet for
XYZ(48.6853, 26.3747, 57.0248)
contains.

XYZ(48.7120, 26.3849, 57.1690)	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(48.7120, 26.3849,
57.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	F23DC8
RGB	242, 61, 200
RGB Percent	95%, 24%, 78%
CMY	0.0510, 0.7607, 0.2157
CMYK	0.00, 0.75, 0.17, 0.05
HSL	314°, 87%, 59%
HSV	314°, 75%, 95%
XYZ	48.7120, 26.3849, 57.1690
YIQ	130.9650, 63.2570, 81.6010

Conversions

Conversions Part 2

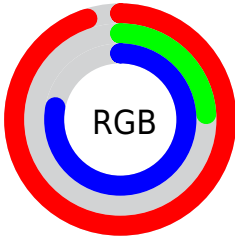
Format	Color
R _Y B	242, 61, 200
Decimal	15875528
CIE Lab	58.40, 79.44, -33.07
CIE LCh	58, 86.048, 337.398
Yxy	26.3849, 0.3683, 0.1995
Android (android.graphics.Color)	4294065608 (0xFFFF23DC8)
YUV	130.9650, 34.0343, 97.3777
Hunter-Lab	51.3662, 79.3855, -30.0315

Details

The XYZ color **48.7120, 26.3849, 57.1690** 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 **36.1263, 65.4766, 23.5692**, and the grayscale version is **21.4296, 22.5456, 24.5521**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **24.4797, 12.0204, 28.2241** is the 20% darker color. If you saturate the color by 10%, you get **47.0547, 24.1011, 53.4377**, and if you desaturate by 10%, it is **50.9773, 29.8453, 61.2224**.

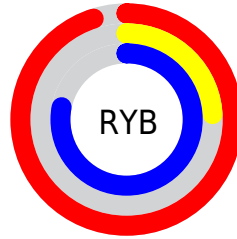
Distribution



Red (95%)

Green (24%)

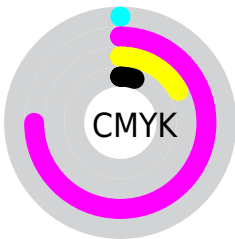
Blue (78%)



Red (95%)

Yellow (24%)

Blue (78%)

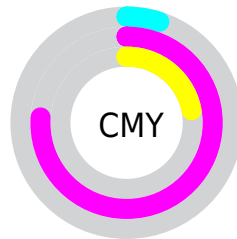


Cyan (0%)

Magenta (75%)

Yellow (17%)

Black (5%)



Cyan (5%)


Magenta (76%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7120, 26.3849, 57.1690 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 48.7120, 26.3849, 57.1690 by changing the saturation by 10% instead.

 48.7120, 26.3849,
57.1690


 48.7120, 26.3849,
57.1690


372.1432,
284.6664, 431.5937


 34.6047, 17.1118,
40.7307


 87.4669, 53.8952,
102.2145


 23.5236, 10.3142,
27.7906


 112.8451, 72.9013,
131.6588


 15.1034, 5.6078,
17.9302

 142.7110, 95.9204,
166.2755

 8.9788, 2.6081,
10.7310

 177.4300,
123.3370, 206.4831

 4.7843, 0.9307,
5.7743

 217.3673,
155.5356, 252.7002

 2.1547, 0.0000,
2.6418

262.8884,

 0.7187, 0.0000,

192.9004, 305.3453

0.9139

314.3586,
235.8159, 364.8370

■ 0.0000, 0.0000,
0.0000

■ 48.7120, 26.3849,
57.1690

■ 48.7120, 26.3849,
57.1690

■ 47.0547, 24.1011,
53.4377

■ 50.9773, 29.8453,
61.2224

■ 45.9174, 22.8195,
49.9971


■ 53.9178, 34.6175,
65.6208


■ 45.4643, 22.4158,
48.2969


■ 57.5943, 40.8223,
70.3860


■ 62.0600, 48.5658,
75.5368

■ 67.3632, 57.9440,
81.0907

 73.5481, 69.0451,
87.0634

 80.6558, 81.9510,
93.4698

 88.7248, 96.7382,
100.3240

 89.7188, 97.3336,
104.9481

Harmonies

Analogous

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



39.4449, 26.3849, 103.4819



48.7120, 26.3849, 57.1690



50.8960, 26.3849, 21.9093

Triad

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



48.7120, 26.3849, 57.1690



22.5677, 26.3849, 1.0780



12.2165, 26.3849, 80.0890

Complementary

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



48.7120, 26.3849, 57.1690



36.1263, 65.4766, 23.5692

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.



9.9136, 26.3849, 36.8339



48.7120, 26.3849, 57.1690



14.7072, 26.3849, 2.9277

Square

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



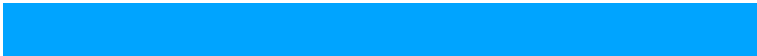
48.7120, 26.3849, 57.1690



33.6641, 26.3849, 1.5854



10.6770, 26.3849, 11.7452



18.0922, 26.3849, 121.9774

Rectangle

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



48.7120, 26.3849, 57.1690



47.6092, 26.3849, 9.4920



10.6770, 26.3849, 11.7452



11.0861, 26.3849, 64.3892

Sweetspot

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



48.7129, 26.3862, 57.1695



77.6647, 68.4705, 93.1126



22.9770, 12.4718, 85.2011



16.2394, 13.9697, 19.5485



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.



48.7129, 26.3862, 57.1695



52.2286, 26.2289, 58.0273



41.2284, 23.3924, 17.7568



16.2882, 15.9650, 19.0739



24.4787, 12.0639, 26.2354



2.0740, 1.0187, 2.3807

Inverse Universe

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



48.7129, 26.3862, 57.1695



52.2286, 26.2289, 58.0273



43.0507, 68.2464, 60.0329



16.2882, 15.9650, 19.0739



24.4787, 12.0639, 26.2354



2.0740, 1.0187, 2.3807

Previews

White Background



This preview shows how the XYZ color 48.7120, 26.3849, 57.1690 looks on a white background.

Color Contrast Check

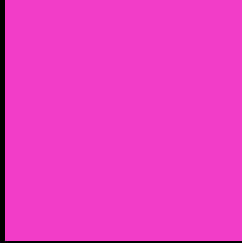
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7120, 26.3849, 57.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

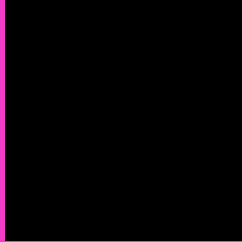
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.7120, 26.3849, 57.1690

Background



This preview shows how black text looks on a background with the XYZ color 48.7120, 26.3849, 57.1690.



This preview shows how white text looks on a background with the XYZ color 48.7120, 26.3849,

57.1690.

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

48.7120, 26.3849, 57.1690

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

27.1703, 26.6514, 51.8563



Tritanopia

39.9072, 26.2491, 15.0198

Trichromacy



Original Color

48.7120, 26.3849, 57.1690



Protanomaly

31.4485, 22.5982, 81.3016



Deuteranomaly

31.6723, 23.6542, 53.3485



Tritanomaly

42.0533, 25.6450, 26.0261

Monochromacy



Original Color

48.7120, 26.3849, 57.1690



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

27.9494, 21.3663, 34.1035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7120, 26.3849, 57.1690 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, 61, 200)` looks like.

```
.text, #text, p{  
    color:rgb(242, 61, 200)  
}
```

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, 61, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 61, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.7120, 26.3849, 57.1690 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, 61, 200) }
```


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

```
.border{ border-color:rgb(242, 61, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 61, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 61, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 61, 200);  
box-shadow:4px 4px 4px 4px rgb(242, 61,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7120, 26.3849, 57.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 61, 200) }
```

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

```
.background{ background-color: rgb(242, 61,  
200) }
```

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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