

Converting Colors

XYZ(48.7971, 26.3386, 57.4372)

Have a look what the booklet for
XYZ(48.7971, 26.3386, 57.4372)
contains.

XYZ(48.6591, 26.2791, 57.1513)	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(48.6591, 26.2791,
57.1513)**

Conversions

Conversions Part 1

Format	Color
Hex	F23CC8
RGB	242, 60, 200
RGB Percent	95%, 24%, 78%
CMY	0.0510, 0.7647, 0.2157
CMYK	0.00, 0.75, 0.17, 0.05
HSL	314°, 87%, 59%
HSV	314°, 75%, 95%
XYZ	48.6591, 26.2791, 57.1513
YIQ	130.3780, 63.5320, 82.1240

Conversions

Conversions Part 2

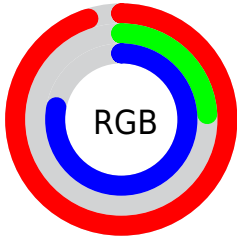
Format	Color
R _{YB}	242, 60, 200
Decimal	15875272
CIE _{Lab}	58.30, 79.72, -33.23
CIE _{LCh}	58, 86.370, 337.375
Yxy	26.2791, 0.3684, 0.1989
Android (android.graphics.Color)	4294065352 (0xFFFF23CC8)
YUV	130.3780, 34.3236, 97.8925
Hunter-Lab	51.2631, 79.7221, -30.2159

Details

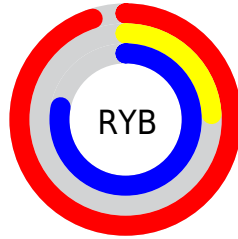
The XYZ color **48.6591, 26.2791, 57.1513** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **36.0153, 65.4252, 23.3035**, and the grayscale version is **21.2203, 22.3254, 24.3124**.

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 **47.0277, 24.0415, 53.4457**, and if you desaturate by 10%, it is **50.8952, 29.6870, 61.1765**.

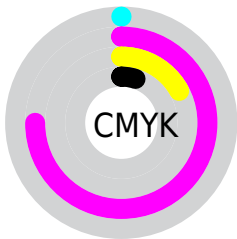
Distribution



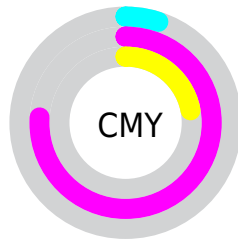
- Red (95%)
- Green (24%)
- Blue (78%)



- 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 48.6591, 26.2791, 57.1513 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 48.6591, 26.2791, 57.1513 by changing the saturation by 10% instead.

 48.6591, 26.2791,
57.1513

 48.6591, 26.2791,
57.1513

371.9380,
284.1495, 431.5256

 34.5626, 17.0326,
40.7166


 87.3887, 53.7249,
102.1884


 23.4910, 10.2577,
27.7796


 112.7525, 72.6929,
131.6279


 15.0792, 5.5702,
17.9220


 142.6027, 95.6701,
166.2394

 8.9617, 2.5855,
10.7252

 177.3047,
123.0411, 206.4414

 4.7731, 0.9194,
5.7705

 217.2239,
155.1901, 252.6525

 2.1481, 0.0000,
2.6395

262.7256,

 0.7152, 0.0000,

192.5016, 305.2912

0.9128

314.1752,
235.3599, 364.7761

■ 0.0000, 0.0000,
0.0000

■ 48.6591, 26.2791,
57.1513

■ 48.6591, 26.2791,
57.1513

■ 47.0277, 24.0415,
53.4457

■ 50.8952, 29.6870,
61.1765

■ 45.9119, 22.7977,
50.0282


■ 53.8035, 34.4012,
65.5444


■ 45.4971, 22.4289,
48.4697


■ 57.4452, 40.5433,
70.2769


■ 61.8738, 48.2199,
75.3929

■ 67.1377, 57.5272,
80.9098

 73.2812, 68.5539,
86.8435

 80.3457, 81.3819,
93.2088

 88.3696, 96.0880,
100.0198

 89.6751, 97.3161,
104.7183

Harmonies

Analogous

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



39.3623, 26.2791, 103.6474



48.6591, 26.2791, 57.1513



50.8563, 26.2791, 21.8087

Triad

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



48.6591, 26.2791, 57.1513



22.4722, 26.2791, 1.0411



12.1143, 26.2791, 80.0851

Complementary

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



48.6591, 26.2791, 57.1513



36.0153, 65.4252, 23.3035

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.



9.8187, 26.2791, 36.7042



48.6591, 26.2791, 57.1513



14.6091, 26.2791, 2.8625

Square

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



48.6591, 26.2791, 57.1513



33.5859, 26.2791, 1.5414



10.5825, 26.2791, 11.6247



17.9822, 26.2791, 122.1760

Rectangle

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



48.6591, 26.2791, 57.1513



47.5633, 26.2791, 9.3992



10.5825, 26.2791, 11.6247



10.9869, 26.2791, 64.3276

Sweetspot

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



48.6600, 26.2804, 57.1518



77.0056, 67.2766, 92.5104



22.8376, 12.3214, 85.1795



15.9824, 13.5084, 19.3001



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.



48.6600, 26.2804, 57.1518



52.2632, 26.2428, 58.2096



41.1356, 23.2707, 17.5291



16.2891, 15.9654, 19.0786



24.4962, 12.0709, 26.3272



2.0753, 1.0192, 2.3876

Inverse Universe

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



48.6600, 26.2804, 57.1518



52.2632, 26.2428, 58.2096



42.9586, 68.2025, 59.8663



16.2891, 15.9654, 19.0786



24.4962, 12.0709, 26.3272



2.0753, 1.0192, 2.3876

Previews

White Background



This preview shows how the XYZ color 48.6591, 26.2791, 57.1513 looks on a white background.

Color Contrast Check

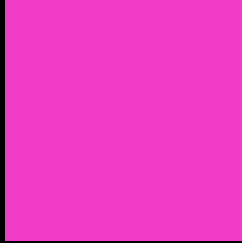
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6591, 26.2791, 57.1513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

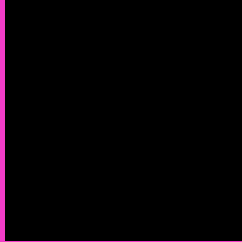
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.6591, 26.2791, 57.1513

Background



This preview shows how black text looks on a background with the XYZ color 48.6591, 26.2791, 57.1513.



This preview shows how white text looks on a background with the XYZ color 48.6591, 26.2791,

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

48.6591, 26.2791, 57.1513

Protanopia

30.4753, 26.9052, 98.1947

Deuteranopia

27.0262, 26.3631, 51.8083



Tritanopia

39.9072, 26.2491, 15.0198

Trichromacy



Original Color

48.6591, 26.2791, 57.1513



Protanomaly

31.2793, 22.5109, 81.2937



Deuteranomaly

31.5638, 23.4371, 53.3123



Tritanomaly

42.0533, 25.6450, 26.0261

Monochromacy



Original Color

48.6591, 26.2791, 57.1513



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

27.7626, 21.1276, 33.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6591, 26.2791, 57.1513 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, 60, 200)` looks like.

```
.text, #text, p{  
    color:rgb(242, 60, 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, 60, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 60, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.6591, 26.2791, 57.1513 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, 60, 200) }
```


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

```
.border{ border-color:rgb(242, 60, 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, 60, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 60, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 60, 200);  
box-shadow:4px 4px 4px 4px rgb(242, 60,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6591, 26.2791, 57.1513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 60, 200) }
```

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

```
.background{ background-color: rgb(242, 60,  
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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