

Converting Colors

XYZ(48.1045, 23.6933, 86.8373)

Have a look what the booklet for
XYZ(48.1045, 23.6933, 86.8373)
contains.

XYZ(48.0582, 23.6728, 86.8304)	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(48.0582, 23.6728,
86.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	E220F3
RGB	226, 32, 243
RGB Percent	89%, 13%, 95%
CMY	0.1137, 0.8745, 0.0471
CMYK	0.07, 0.87, 0.00, 0.05
HSL	295°, 90%, 54%
HSV	295°, 87%, 95%
XYZ	48.0582, 23.6728, 86.8304
YIQ	114.0600, 47.8930, 106.7490

Conversions

Conversions Part 2

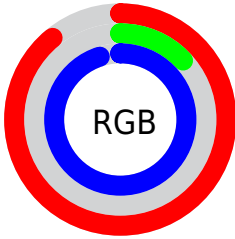
Format	Color
R _Y B	226, 32, 243
Decimal	14819571
CIE Lab	55.76, 89.03, -61.75
CIE LCh	56, 108.345, 325.257
Yxy	23.6728, 0.3031, 0.1493
Android (android.graphics.Color)	4293009651 (0xFFE220F3)
YUV	114.0600, 63.5674, 98.1714
Hunter-Lab	48.6547, 91.1659, -71.7521

Details

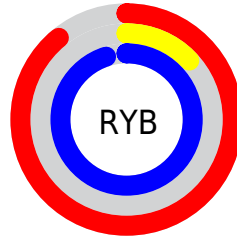
The XYZ color **48.0582, 23.6728, 86.8304** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **33.5788, 64.8590, 12.1166**, and the grayscale version is **15.8200, 16.6439, 18.1252**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **24.5888, 11.6522, 47.4075** is the 20% darker color. If you saturate the color by 10%, you get **47.0156, 22.4929, 86.6579**, and if you desaturate by 10%, it is **49.5892, 25.8172, 87.1640**.

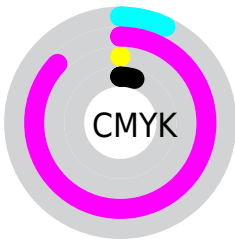
Distribution



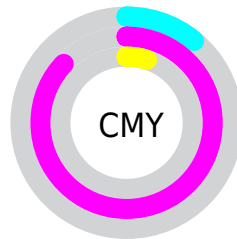
- Red (89%)
- Green (13%)
- Blue (95%)



- Red (89%)
- Yellow (13%)
- Blue (95%)



- Cyan (7%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)





- Cyan (11%)
- Magenta (87%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0582, 23.6728, 86.8304 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 48.0582, 23.6728, 86.8304 by changing the saturation by 10% instead.


 48.0582, 23.6728,
86.8304

 48.0582, 23.6728,
86.8304

369.6015,
271.1621, 537.9671

 34.0844, 15.0911,
64.7960


 86.5002, 49.4957,
144.8245

 23.1217, 8.8833,
46.8454


 111.6992, 67.5057,
181.6213


 14.8046, 4.6652,
32.5600


 141.3706, 89.4273,
224.1761

 8.7678, 2.0522,
21.5212

 175.8798,
115.6448, 272.9072

 4.6459, 0.6375,
13.3106

 215.5921,
146.5426, 328.2334

 2.0736, 0.0000,
7.5095

260.8729,

 0.6748, 0.0000,

182.5052, 390.5731

3.6995

312.0876,
223.9169, 460.3448

■ 0.0000, 0.0000,
1.4620

■ 0.0000, 0.0000,
0.1894

■ 48.0582, 23.6728,
86.8304

■ 48.0582, 23.6728,
86.8304

■ 47.0156, 22.4929,
86.6579

■ 49.5892, 25.8172,
87.1640

■ 46.7396, 22.2263,
86.6210

■ 51.6981, 29.1078,
87.6880

■ 54.4586, 33.6913,
88.4272

■ 57.9329, 39.6918,
89.4023

62.1757, 47.2188,
90.6315

67.2364, 56.3710,
92.1313

73.1602, 67.2389,
93.9168

79.9892, 79.9064,
96.0020

87.7624, 94.4516,
98.3998

Harmonies

Analogous

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



34.1718, 23.6728, 148.3272



48.0582, 23.6728, 86.8304



55.2466, 23.6728, 31.7903

Triad

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



48.0582, 23.6728, 86.8304



24.5126, 23.6728, 0.0000



7.1752, 23.6728, 66.8088

Complementary

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



48.0582, 23.6728, 86.8304



33.5788, 64.8590, 12.1166

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.



6.2053, 23.6728, 20.5720



48.0582, 23.6728, 86.8304



13.8444, 23.6728, 0.0000

Square

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



48.0582, 23.6728, 86.8304



38.8442, 23.6728, 0.4969



8.1270, 23.6728, 3.2401



11.5363, 23.6728, 131.0631

Rectangle

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



48.0582, 23.6728, 86.8304



53.8886, 23.6728, 11.7473



8.1270, 23.6728, 3.2401



6.5295, 23.6728, 48.0166

Sweetspot

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



48.0592, 23.6738, 86.8309



75.4852, 63.7472, 102.9337



17.8971, 9.0251, 85.5931



15.7090, 12.8294, 21.8983



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.



48.0592, 23.6738, 86.8309



52.1315, 24.7896, 96.6450



43.4030, 22.4580, 33.0967



17.0742, 16.6964, 20.8654



25.7067, 12.2266, 47.5431



2.2977, 1.0943, 4.1804

Inverse Universe

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



38.0338, 20.3103, 4.8226



41.3712, 21.3125, 2.6207



36.0323, 65.7630, 28.5396



16.5533, 16.5042, 17.3943



20.3724, 10.4924, 1.4033



1.8088, 0.9295, 0.2198

Previews

White Background



This preview shows how the XYZ color 48.0582, 23.6728, 86.8304 looks on a white background.

Color Contrast Check

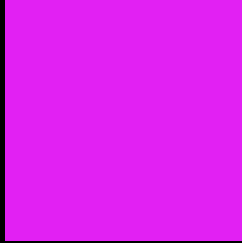
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0582, 23.6728, 86.8304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

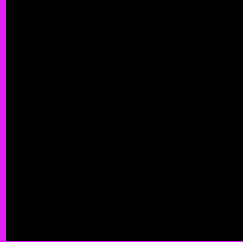
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.0582, 23.6728, 86.8304

Background



This preview shows how black text looks on a background with the XYZ color 48.0582, 23.6728, 86.8304.



This preview shows how white text looks on a background with the XYZ color 48.0582, 23.6728,

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

48.0582, 23.6728, 86.8304

Protanopia

27.9571, 24.1774, 97.8009

Deuteranopia

24.8567, 24.0419, 77.4592



Tritanopia

33.5900, 23.6452, 16.1582

Trichromacy



Original Color

48.0582, 23.6728, 86.8304



Protanomaly

29.3004, 19.0354, 93.3967



Deuteranomaly

27.2450, 18.8135, 80.0373



Tritanomaly

36.7514, 21.9976, 33.3193

Monochromacy



Original Color

48.0582, 23.6728, 86.8304



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.1209, 15.8824, 35.5652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0582, 23.6728, 86.8304 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(226, 32, 243)` looks like.

```
.text, #text, p{  
    color:rgb(226, 32, 243)  
}
```

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(226, 32, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 32, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.0582, 23.6728, 86.8304 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(226, 32, 243) }
```


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

```
.border{ border-color:rgb(226, 32, 243) }
```

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

Here you see how a box with a 4 pixel rgb(226, 32, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 32, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 32, 243);  
box-shadow:4px 4px 4px 4px rgb(226, 32,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0582, 23.6728, 86.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 32, 243) }
```

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

```
.background{ background-color: rgb(226, 32,  
243) }
```

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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