

Converting Colors

XYZ(48.1091, 23.1862, 75.2151)

Have a look what the booklet for
XYZ(48.1091, 23.1862, 75.2151)
contains.

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Color

**XYZ(48.2645, 23.2636,
75.3453)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00E4
RGB	235, 0, 228
RGB Percent	92%, 0%, 89%
CMY	0.0784, 0.9998, 0.1059
CMYK	0.00, 1.00, 0.03, 0.08
HSL	302°, 100%, 46%
HSV	302°, 100%, 92%
XYZ	48.2645, 23.2636, 75.3453
YIQ	96.2570, 66.8720, 120.7280

Conversions

Conversions Part 2

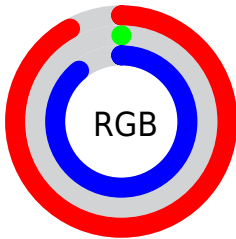
Format	Color
R _Y B	235, 0, 228
Decimal	15401188
CIE Lab	55.34, 91.39, -53.90
CIE LCh	55, 106.098, 329.471
Yxy	23.2636, 0.3286, 0.1584
Android (android.graphics.Color)	4293591268 (0xFFEB00E4)
YUV	96.2570, 64.9493, 121.6776
Hunter-Lab	48.2324, 94.2123, -58.8562

Details

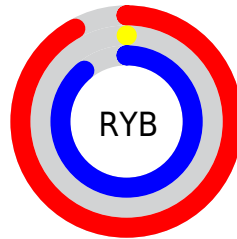
The XYZ color **48.2645, 23.2636, 75.3453** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **29.7478, 59.4330, 10.1060**, and the grayscale version is **11.0223, 11.5963, 12.6284**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.9020, 11.9772, 40.0291** is the 20% darker color. If you saturate the color by 10%, you get **48.2648, 23.2638, 75.3447**, and if you desaturate by 10%, it is **48.6797, 23.9373, 75.9644**.

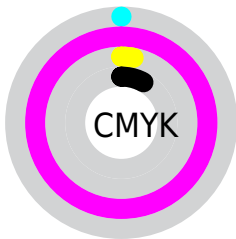
Distribution



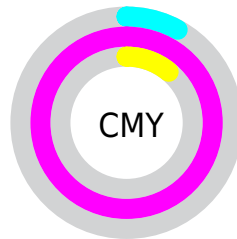
- Red (92%)
- Green (0%)
- Blue (89%)



- Red (92%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2645, 23.2636, 75.3453 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 48.2645, 23.2636, 75.3453 by changing the saturation by 10% instead.

 48.2645, 23.2636,
75.3453


 48.2645, 23.2636,
75.3453

370.4047,
269.0760, 498.3906


 34.2485, 14.7883,
55.3924


 86.8054, 48.8258,
128.5526

 23.2484, 8.6709,
39.3152


 112.0610, 66.6815,
162.6441


 14.8987, 4.5272,
26.6953


 141.7939, 88.4327,
202.2855

 8.8342, 1.9726,
17.1141

 176.3694,
114.4638, 247.8954

 4.6894, 0.5915,
10.1531

 216.1529,
145.1594, 299.8923

 2.0991, 0.0000,
5.3936

261.5097,

 0.6887, 0.0000,

180.9036, 358.6948

2.4173

312.8052,
222.0811, 424.7214

■ 0.0000, 0.0000,
0.7958

■ 0.0000, 0.0000,
0.0000

■ 48.2645, 23.2636,
75.3453

■ 48.2645, 23.2636,
75.3453

■ 48.2648, 23.2638,
75.3447

■ 48.6797, 23.9373,
75.9644

■ 49.4784, 25.3782,
76.7132

■ 50.7826, 27.8295,
77.6324

■ 52.6634, 31.4333,
78.7458

■ 55.1806, 36.3092,
80.0732

■ 58.3864, 42.5618,
81.6321

■ 62.3278, 50.2849,
83.4382

■ 67.0475, 59.5640,
85.5057

■ 72.5851, 70.4782,
87.8477

Harmonies

Analogous

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



35.3906, 23.2636, 135.9736



48.2645, 23.2636, 75.3453



53.8008, 23.2636, 25.9403

Triad

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



48.2645, 23.2636, 75.3453



22.3234, 23.2636, 0.0000



7.5719, 23.2636, 73.1975

Complementary

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



48.2645, 23.2636, 75.3453



29.7478, 59.4330, 10.1060

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.



6.2133, 23.2636, 24.7296



48.2645, 23.2636, 75.3453



12.6547, 23.2636, 0.2131

Square

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



48.2645, 23.2636, 75.3453



35.8939, 23.2636, 0.2817



7.6758, 23.2636, 4.4924



12.4040, 23.2636, 134.1262

Rectangle

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



48.2645, 23.2636, 75.3453



51.4693, 23.2636, 9.1615



7.6758, 23.2636, 4.4924



6.7915, 23.2636, 54.0620

Sweetspot

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



48.2654, 23.2647, 75.3458



74.9452, 60.3742, 100.3987



15.0455, 6.0246, 78.9681



15.5887, 12.0347, 21.2848



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.



48.2654, 23.2647, 75.3458



58.0906, 28.0003, 90.6643



37.2766, 18.8692, 17.4793



15.6943, 15.3056, 18.9415



26.8702, 12.9508, 41.9793



2.1161, 1.0194, 3.3287

Inverse Universe

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



48.2654, 23.2647, 75.3458



58.0906, 28.0003, 90.6643



33.1872, 60.8088, 28.2180



15.6943, 15.3056, 18.9415



26.8702, 12.9508, 41.9793



2.1161, 1.0194, 3.3287

Previews

White Background



This preview shows how the XYZ color 48.2645, 23.2636, 75.3453 looks on a white background.

Color Contrast Check

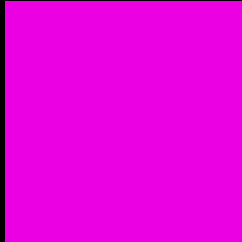
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2645, 23.2636, 75.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

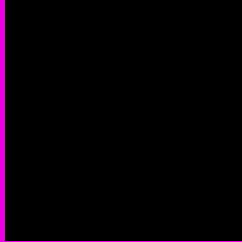
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.2645, 23.2636, 75.3453

Background



This preview shows how black text looks on a background with the XYZ color 48.2645, 23.2636, 75.3453.



This preview shows how white text looks on a background with the XYZ color 48.2645, 23.2636,

75.3453.

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

48.2645, 23.2636, 75.3453

Protanopia

27.9571, 24.1774, 97.8009

Deuteranopia

24.5932, 23.9315, 66.9414



Tritanopia

35.5405, 23.5107, 13.4913

Trichromacy



Original Color

48.2645, 23.2636, 75.3453



Protanomaly

27.8869, 17.0642, 88.2101



Deuteranomaly

27.0192, 17.2742, 68.9280



Tritanomaly

37.7851, 21.0782, 28.0636

Monochromacy



Original Color

48.2645, 23.2636, 75.3453



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.7354, 11.5541, 27.6283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2645, 23.2636, 75.3453 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(235, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 228)  
}
```

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(235, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.2645, 23.2636, 75.3453 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(235, 0, 228) }
```


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

```
.border{ border-color:rgb(235, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2645, 23.2636, 75.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 228) }
```

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

```
.background{ background-color: rgb(235, 0,  
228) }
```

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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