

Converting Colors

XYZ(49.0475, 23.5685, 80.2277)

Have a look what the booklet for
XYZ(49.0475, 23.5685, 80.2277)
contains.

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Color

**XYZ(49.2672, 23.6820,
80.5717)**

Conversions

Conversions Part 1

Format	Color
Hex	EB01EB
RGB	235, 1, 235
RGB Percent	92%, 0%, 92%
CMY	0.0784, 0.9959, 0.0784
CMYK	0.00, 1.00, 0.00, 0.08
HSL	300°, 99%, 46%
HSV	300°, 100%, 92%
XYZ	49.2672, 23.6820, 80.5717
YIQ	97.6420, 64.3500, 122.3820

Conversions

Conversions Part 2

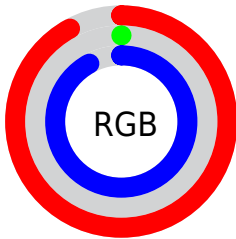
Format	Color
R_{YB}	235, 1, 235
Decimal	15401451
CIE _{Lab}	55.77, 92.30, -57.16
CIE _{LCh}	56, 108.568, 328.230
Yxy	23.6820, 0.3209, 0.1543
Android (android.graphics.Color)	4293591531 (0xFFEB01EB)
YUV	97.6420, 67.7175, 120.4630
Hunter-Lab	48.6642, 95.5497, -64.0997

Details

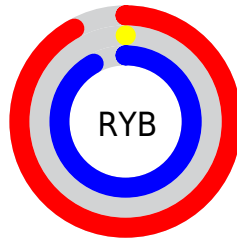
The XYZ color **49.2672, 23.6820, 80.5717** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **29.7274, 59.4265, 9.9334**, and the grayscale version is **11.3527, 11.9439, 13.0069**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.4914, 12.2130, 43.1333** is the 20% darker color. If you saturate the color by 10%, you get **49.2569, 23.6606, 80.5684**, and if you desaturate by 10%, it is **49.5947, 24.3362, 80.6811**.

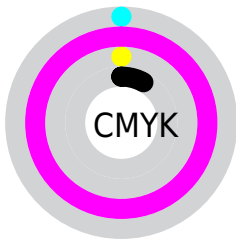
Distribution



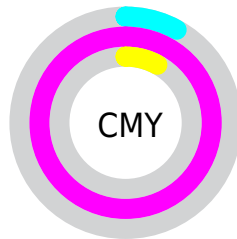
- Red (92%)
- Green (0%)
- Blue (92%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2672, 23.6820, 80.5717 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 49.2672, 23.6820, 80.5717 by changing the saturation by 10% instead.

 49.2672, 23.6820,
80.5717


 49.2672, 23.6820,
80.5717


374.2928,
271.2088, 516.6149


 35.0469, 15.0979,
59.6600


 88.2865, 49.5108,
135.9879


 23.8657, 8.8881,
42.7211


 113.8162, 67.5242,
171.3294


 15.3582, 4.6683,
29.3366


 143.8465, 89.4496,
212.3179

 9.1591, 2.0540,
19.0878

 178.7426,
115.6713, 259.3721

 4.9031, 0.6386,
11.5563

 218.8699,
146.5736, 312.9103

 2.2247, 0.0000,
6.3235

264.5938,

 0.7557, 0.0000,

182.5411, 373.3511

2.9708

316.2797,
223.9580, 441.1131

■ 0.0000, 0.0000,
1.0797

■ 0.0000, 0.0000,
0.0000

■ 49.2672, 23.6820,
80.5717

■ 49.2672, 23.6820,
80.5717

■ 49.2569, 23.6606,
80.5684

■ 49.5947, 24.3362,
80.6811

■ 50.3154, 25.7775,
80.9214

■ 51.5445, 28.2356,
81.3312

■ 53.3525, 31.8516,
81.9339

■ 55.7988, 36.7442,
82.7495

■ 58.9355, 43.0175,
83.7951

■ 62.8092, 50.7649,
85.0864

■ 67.4626, 60.0717,
86.6376

■ 72.9350, 71.0166,
88.4619

Harmonies

Analogous

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



35.6831, 23.6820, 143.7247



49.2672, 23.6820, 80.5717



55.4782, 23.6820, 27.9391

Triad

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



49.2672, 23.6820, 80.5717



23.2489, 23.6820, 0.0000



7.4197, 23.6820, 73.0583

Complementary

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



49.2672, 23.6820, 80.5717



29.7274, 59.4265, 9.9334

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.



6.1590, 23.6820, 23.7458



49.2672, 23.6820, 80.5717



13.0569, 23.6820, 0.0348

Square

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



49.2672, 23.6820, 80.5717



37.4346, 23.6820, 0.2692



7.7745, 23.6820, 4.0163



12.1949, 23.6820, 137.2353

Rectangle

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



49.2672, 23.6820, 80.5717



53.3560, 23.6820, 9.8474



7.7745, 23.6820, 4.0163



6.6690, 23.6820, 53.3801

Sweetspot

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



49.2682, 23.6831, 80.5722



75.3100, 60.5201, 102.3197



15.0198, 6.0274, 78.9702



15.6777, 12.0703, 21.7534



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.



49.2682, 23.6831, 80.5722



59.2898, 28.4799, 96.9789



37.5438, 18.9934, 18.8326



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Inverse Universe

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



49.2682, 23.6831, 80.5722



59.2898, 28.4799, 96.9789



32.9929, 60.7327, 27.1290



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8393



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 49.2672, 23.6820, 80.5717 looks on a white background.

Color Contrast Check

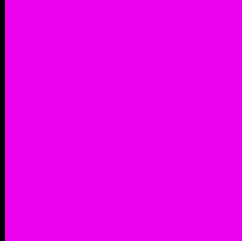
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2672, 23.6820, 80.5717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

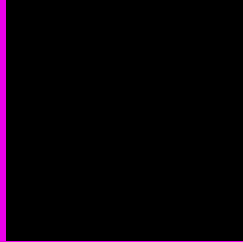
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.2672, 23.6820, 80.5717

Background



This preview shows how black text looks on a background with the XYZ color 49.2672, 23.6820, 80.5717.



This preview shows how white text looks on a background with the XYZ color 49.2672, 23.6820,

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

49.2672, 23.6820, 80.5717

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

25.1085, 24.2977, 71.7732



Tritanopia

35.5470, 23.7518, 14.2663

Trichromacy



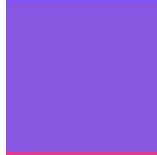
Original Color

49.2672, 23.6820, 80.5717



Protanomaly

28.7178, 17.5536, 90.6815



Deuteranomaly

27.3718, 17.4649, 73.8799



Tritanomaly

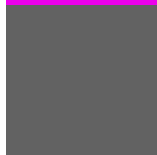
37.9606, 21.2736, 30.1224

Monochromacy



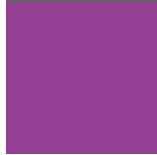
Original Color

49.2672, 23.6820, 80.5717



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3355, 11.9890, 29.3120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2672, 23.6820, 80.5717 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, 1, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 1, 235)  
}
```

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, 1, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 1, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.2672, 23.6820, 80.5717 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, 1, 235) }
```


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

```
.border{ border-color:rgb(235, 1, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 1, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 1, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 1, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 1,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2672, 23.6820, 80.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 1, 235) }
```

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

```
.background{ background-color: rgb(235, 1,  
235) }
```

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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