

Converting Colors

XYZ(49.6724, 23.8387, 82.2190)

Have a look what the booklet for
XYZ(49.6724, 23.8387, 82.2190)
contains.

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Color

**XYZ(49.5470, 23.7766,
82.0987)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00ED
RGB	235, 0, 237
RGB Percent	92%, 0%, 93%
CMY	0.0784, 0.9999, 0.0706
CMYK	0.01, 1.00, 0.00, 0.07
HSL	299°, 100%, 46%
HSV	299°, 100%, 93%
XYZ	49.5470, 23.7766, 82.0987
YIQ	97.2830, 63.9830, 123.5270

Conversions

Conversions Part 2

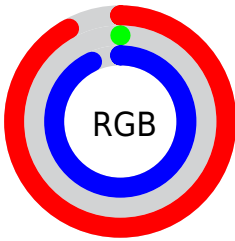
Format	Color
RYB	235, 0, 237
Decimal	15401197
CIELab	55.86, 92.65, -58.13
CIELCh	56, 109.376, 327.894
Yxy	23.7766, 0.3188, 0.1530
Android (android.graphics.Color)	4293591277 (0xFFEB00ED)
YUV	97.2830, 68.8805, 120.7778
Hunter-Lab	48.7613, 96.0442, -65.6929

Details

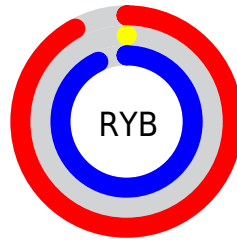
The XYZ color **49.5470, 23.7766, 82.0987** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.3100, 60.5818, 10.0971**, and the grayscale version is **11.2624, 11.8489, 12.9035**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.6938, 12.2940, 44.1988** is the 20% darker color. If you saturate the color by 10%, you get **49.5475, 23.7768, 82.0990**, and if you desaturate by 10%, it is **49.9349, 24.4534, 82.2092**.

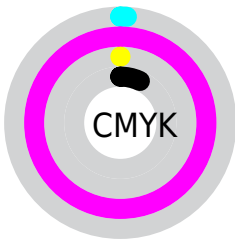
Distribution



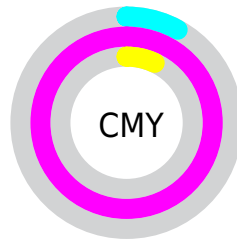
- Red (92%)
- Green (0%)
- Blue (93%)



- Red (92%)
- Yellow (0%)
- Blue (93%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5470, 23.7766, 82.0987 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 49.5470, 23.7766, 82.0987 by changing the saturation by 10% instead.


 49.5470, 23.7766,
82.0987


 49.5470, 23.7766,
82.0987

375.3731,
271.6891, 521.8699


 35.2699, 15.1680,
60.9106


 88.6992, 49.6654,
138.1503

 24.0384, 8.9374,
43.7229


 114.3050, 67.7144,
173.8509


 15.4870, 4.7004,
30.1172


 144.4177, 89.6789,
215.2261

 9.2504, 2.0725,
19.6747

 179.4028,
115.9434, 262.6945

 4.9633, 0.6491,
11.9771

 219.6255,
146.8923, 316.6745

 2.2603, 0.0000,
6.6057

265.4512,

 0.7742, 0.0000,

182.9100, 377.5847

3.1421

317.2453,
224.3808, 445.8436

■ 0.0000, 0.0000,
1.1676

■ 0.0000, 0.0000,
0.0000

■ 49.5470, 23.7766,
82.0987

■ 49.5470, 23.7766,
82.0987

■ 49.5475, 23.7768,
82.0990

■ 49.9349, 24.4534,
82.2092

■ 50.7139, 25.9133,
82.4499

■ 52.0080, 28.4032,
82.8623

■ 53.8899, 32.0686,
83.4706

■ 56.4206, 37.0315,
84.2952

■ 59.6535, 43.3987,
85.3538

■ 63.6365, 51.2660,
86.6624

■ 68.4133, 60.7208,
88.2356

■ 74.0242, 71.8436,
90.0868

Harmonies

Analogous

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



35.7505, 23.7766, 146.0549



49.5470, 23.7766, 82.0987



55.9567, 23.7766, 28.4913

Triad

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



49.5470, 23.7766, 82.0987



23.4903, 23.7766, 0.0000



7.3570, 23.7766, 73.0332

Complementary

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



49.5470, 23.7766, 82.0987



30.3100, 60.5818, 10.0971

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.



6.1245, 23.7766, 23.4496



49.5470, 23.7766, 82.0987



13.1476, 23.7766, 0.0000

Square

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



49.5470, 23.7766, 82.0987



37.8598, 23.7766, 0.2564



7.7813, 23.7766, 3.8721



12.1138, 23.7766, 138.2135

Rectangle

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



49.5470, 23.7766, 82.0987



53.8929, 23.7766, 10.0204



7.7813, 23.7766, 3.8721



6.6152, 23.7766, 53.1839

Sweetspot

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



49.5480, 23.7777, 82.0992



75.0730, 60.3979, 102.3089



15.3299, 6.2013, 80.5101



15.6199, 12.0405, 21.7507



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.



49.5480, 23.7777, 82.0992



58.5030, 28.0743, 96.9432



38.4676, 19.4222, 20.2863



15.7016, 15.3069, 19.0492



27.0571, 12.9844, 44.8231



2.1287, 1.0217, 3.5199

Inverse Universe

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



34.9368, 18.0099, 1.6934



41.2518, 21.2647, 1.9921



33.3546, 61.7968, 26.2602



15.0707, 15.0561, 15.6574



19.0762, 9.8331, 0.9364



1.4998, 0.7729, 0.0831

Previews

White Background



This preview shows how the XYZ color 49.5470, 23.7766, 82.0987 looks on a white background.

Color Contrast Check

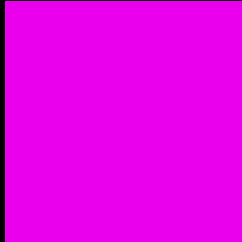
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5470, 23.7766, 82.0987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

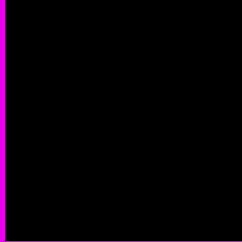
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.5470, 23.7766, 82.0987

Background



This preview shows how black text looks on a background with the XYZ color 49.5470, 23.7766, 82.0987.



This preview shows how white text looks on a background with the XYZ color 49.5470, 23.7766,

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

49.5470, 23.7766, 82.0987

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

25.2653, 24.5557, 73.2201



Tritanopia

35.6817, 23.9452, 14.5456

Trichromacy



Original Color

49.5470, 23.7766, 82.0987



Protanomaly

28.7889, 17.4758, 90.6628



Deuteranomaly

27.4035, 17.5687, 75.3456



Tritanomaly

38.0401, 21.3054, 30.5412

Monochromacy



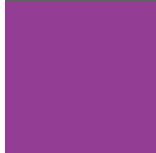
Original Color

49.5470, 23.7766, 82.0987



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.1005, 11.7864, 29.2853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5470, 23.7766, 82.0987 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 49.5470, 23.7766, 82.0987 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, 237) }
```


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

```
.border{ border-color:rgb(235, 0, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5470, 23.7766, 82.0987 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, 237) }
```

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

```
.background{ background-color: rgb(235, 0,  
237) }
```

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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