

Converting Colors

XYZ(49.4022, 23.8367, 77.5902)

Have a look what the booklet for
XYZ(49.4022, 23.8367, 77.5902)
contains.

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Color

**XYZ(49.3706, 23.8175,
77.5964)**

Conversions

Conversions Part 1

Format	Color
Hex	ED02E7
RGB	237, 2, 231
RGB Percent	93%, 1%, 91%
CMY	0.0706, 0.9920, 0.0941
CMYK	0.00, 0.99, 0.03, 0.07
HSL	302°, 98%, 47%
HSV	302°, 99%, 93%
XYZ	49.3706, 23.8175, 77.5964
YIQ	98.3710, 66.5510, 121.0390

Conversions

Conversions Part 2

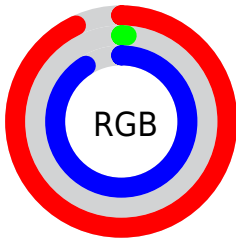
Format	Color
R _Y B	237, 2, 231
Decimal	15532775
CIE Lab	55.90, 91.99, -54.67
CIE LCh	56, 107.012, 329.277
Yxy	23.8175, 0.3274, 0.1580
Android (android.graphics.Color)	4293722855 (0xFFED02E7)
YUV	98.3710, 65.3861, 121.5776
Hunter-Lab	48.8032, 95.1698, -60.1081

Details

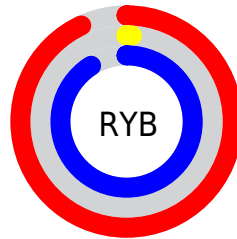
The XYZ color **49.3706, 23.8175, 77.5964** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.3542, 60.6000, 10.3281**, and the grayscale version is **11.5384, 12.1393, 13.2197**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.6424, 12.3253, 41.5849** is the 20% darker color. If you saturate the color by 10%, you get **49.3420, 23.7714, 77.5507**, and if you desaturate by 10%, it is **49.7988, 24.5360, 78.1618**.

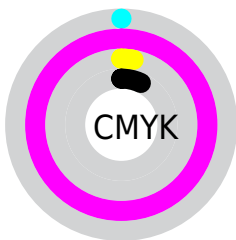
Distribution



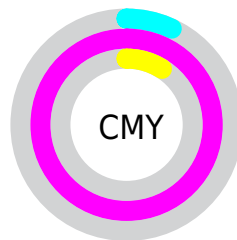
- Red (93%)
- Green (1%)
- Blue (91%)



- Red (93%)
- Yellow (1%)
- Blue (91%)



- Cyan (0%)
- Magenta (99%)
- Yellow (3%)
- Black (7%)





- Cyan (7%)
- Magenta (99%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3706, 23.8175, 77.5964 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 49.3706, 23.8175, 77.5964 by changing the saturation by 10% instead.

 49.3706, 23.8175,
77.5964


 49.3706, 23.8175,
77.5964


374.6923,
271.8965, 506.2866


 35.1293, 15.1983,
57.2280


 88.4390, 49.7322,
131.7617


 23.9295, 8.9587,
40.7778


 113.9969, 67.7965,
166.3957


 15.4058, 4.7142,
27.8271


 144.0576, 89.7780,
206.6220

 9.1928, 2.0806,
17.9574

 178.9866,
116.0610, 252.8591

 4.9253, 0.6537,
10.7503

 219.1493,
147.0300, 305.5256

 2.2378, 0.0000,
5.7871

264.9108,

 0.7625, 0.0000,

183.0693, 365.0400

2.6494

316.6367,
224.5633, 431.8208

■ 0.0000, 0.0000,
0.9178

■ 0.0000, 0.0000,
0.0000

■ 49.3706, 23.8175,
77.5964

■ 49.3706, 23.8175,
77.5964

■ 49.3420, 23.7714,
77.5507

■ 49.7988, 24.5360,
78.1618

■ 50.6379, 26.0767,
78.8656

■ 51.9991, 28.6612,
79.7448

■ 53.9539, 32.4322,
80.8234

■ 56.5625, 37.5104,
82.1213

■ 59.8778, 44.0015,
83.6563

■ 63.9472, 52.0005,
85.4441

■ 68.8142, 61.5940,
87.4993

■ 74.5188, 72.8623,
89.8351

Harmonies

Analogous

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



36.1503, 23.8175, 139.6849



49.3706, 23.8175, 77.5964



55.1114, 23.8175, 26.7899

Triad

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



49.3706, 23.8175, 77.5964



22.9350, 23.8175, 0.0000



7.7258, 23.8175, 74.5883

Complementary

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



49.3706, 23.8175, 77.5964



30.3542, 60.6000, 10.3281

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.



6.3543, 23.8175, 25.0950



49.3706, 23.8175, 77.5964



12.9979, 23.8175, 0.2128

Square

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



49.3706, 23.8175, 77.5964



36.8550, 23.8175, 0.3072



7.8713, 23.8175, 4.5301



12.6470, 23.8175, 137.0971

Rectangle

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



49.3706, 23.8175, 77.5964



52.7696, 23.8175, 9.4805



7.8713, 23.8175, 4.5301



6.9339, 23.8175, 55.0217

Sweetspot

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



49.3716, 23.8186, 77.5969



74.9970, 60.3949, 100.6716



15.3830, 6.1973, 80.5073



15.6014, 12.0398, 21.3513



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.



49.3716, 23.8186, 77.5969



58.2590, 28.0676, 91.5506



38.0772, 19.3009, 18.1214



15.6972, 15.3067, 18.9569



26.9465, 12.9813, 42.3809



2.1212, 1.0215, 3.3557

Inverse Universe

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



49.3716, 23.8186, 77.5969



58.2590, 28.0676, 91.5506



33.9128, 62.0234, 29.0670



15.6972, 15.3067, 18.9569



26.9465, 12.9813, 42.3809



2.1212, 1.0215, 3.3557

Previews

White Background



This preview shows how the XYZ color 49.3706, 23.8175, 77.5964 looks on a white background.

Color Contrast Check

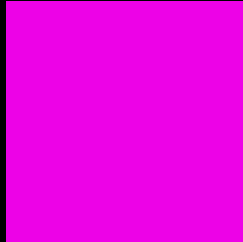
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3706, 23.8175, 77.5964 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 49.3706, 23.8175, 77.5964

Background



This preview shows how black text looks on a background with the XYZ color 49.3706, 23.8175, 77.5964.



This preview shows how white text looks on a background with the XYZ color 49.3706, 23.8175,

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

49.3706, 23.8175, 77.5964

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

25.1188, 24.3639, 69.0244



Tritanopia

36.3302, 24.0332, 14.0333

Trichromacy



Original Color

49.3706, 23.8175, 77.5964



Protanomaly

28.7070, 17.5837, 89.0697



Deuteranomaly

27.7483, 17.8411, 71.0884



Tritanomaly

38.7472, 21.6972, 29.3399

Monochromacy



Original Color

49.3706, 23.8175, 77.5964



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3602, 12.0199, 28.4938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3706, 23.8175, 77.5964 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(237, 2, 231)` looks like.

```
.text, #text, p{  
    color:rgb(237, 2, 231)  
}
```

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(237, 2, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 2, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.3706, 23.8175, 77.5964 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(237, 2, 231) }
```


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

```
.border{ border-color:rgb(237, 2, 231) }
```

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

Here you see how a box with a 4 pixel rgb(237, 2, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 2, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 2, 231);  
box-shadow:4px 4px 4px 4px rgb(237, 2,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3706, 23.8175, 77.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 2, 231) }
```

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

```
.background{ background-color: rgb(237, 2,  
231) }
```

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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