

Converting Colors

XYZ(47.0743, 23.1717, 51.7213)

Have a look what the booklet for
XYZ(47.0743, 23.1717, 51.7213)
contains.

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Color

**XYZ(47.1706, 23.2182,
51.8646)**

Conversions

Conversions Part 1

Format	Color
Hex	F500C0
RGB	245, 0, 192
RGB Percent	96%, 0%, 75%
CMY	0.0392, 0.9998, 0.2471
CMYK	0.00, 1.00, 0.22, 0.04
HSL	313°, 100%, 48%
HSV	313°, 100%, 96%
XYZ	47.1706, 23.2182, 51.8646
YIQ	95.1430, 84.3880, 111.6520

Conversions

Conversions Part 2

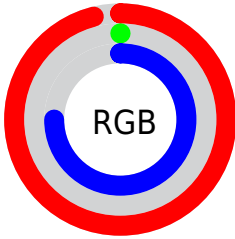
Format	Color
R_{YB}	245, 0, 192
Decimal	16056512
CIE _{Lab}	55.30, 88.55, -33.27
CIE _{LCh}	55, 94.597, 339.408
Yxy	23.2182, 0.3858, 0.1899
Android (android.graphics.Color)	4294246592 (0xFFFF500C0)
YUV	95.1430, 47.7505, 131.4246
Hunter-Lab	48.1853, 90.4170, -30.0876

Details

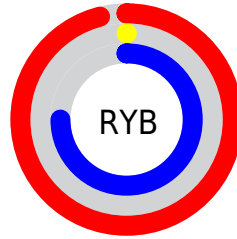
The XYZ color **47.1706, 23.2182, 51.8646** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.2969, 65.5630, 14.2741**, and the grayscale version is **10.7933, 11.3553, 12.3660**.

A 20% lighter version of the original color is **62.8961, 37.2139, 93.4905**, and **24.1159, 11.9023, 25.0711** is the 20% darker color. If you saturate the color by 10%, you get **47.1697, 23.2179, 51.8586**, and if you desaturate by 10%, it is **48.1071, 24.1338, 55.1274**.

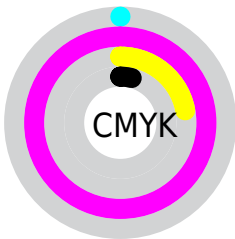
Distribution



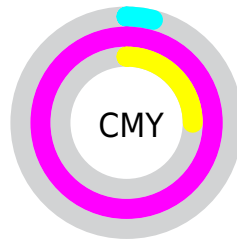
- Red (96%)
- Green (0%)
- Blue (75%)



- Red (96%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1706, 23.2182, 51.8646 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 47.1706, 23.2182, 51.8646 by changing the saturation by 10% instead.


 47.1706, 23.2182,
51.8646

 47.1706, 23.2182,
51.8646


366.1326,
268.8437, 410.8557


 33.3791, 14.7547,
36.5157


 85.1854, 48.7514,
94.3561


 22.5776, 8.6474,
24.5399


 110.1394, 66.5898,
122.3357


 14.4009, 4.5119,
15.5187


 139.5449, 88.3221,
155.3626

 8.4836, 1.9639,
9.0336

 173.7673,
114.3325, 193.8554

 4.4603, 0.5863,
4.6660

 213.1719,
145.0055, 238.2325

 1.9657, 0.0000,
1.9974

258.1241,

 0.6146, 0.0000,

180.7254, 288.9126

0.5536

308.9892,
221.8767, 346.3142

■ 0.0000, 0.0000,
0.0000

■ 47.1706, 23.2182,
51.8646

■ 47.1706, 23.2182,
51.8646

■ 47.1697, 23.2179,
51.8586

■ 48.1071, 24.1338,
55.1274

■ 49.4889, 25.9062,
58.6439

■ 51.4485, 28.7995,
62.4596

■ 54.0649, 32.9717,
66.6017

■ 57.4047, 38.5554,
71.0936

■ 61.5261, 45.6667,
75.9555

■ 66.4812, 54.4095,
81.2059

■ 72.3176, 64.8788,
86.8616

■ 79.0792, 77.1619,
92.9383

Harmonies

Analogous

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



37.6988, 23.2182, 102.5023



47.1706, 23.2182, 51.8646



48.8968, 23.2182, 16.8897

Triad

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



47.1706, 23.2182, 51.8646



18.9016, 23.2182, 0.1408



9.7704, 23.2182, 83.3827

Complementary

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



47.1706, 23.2182, 51.8646



33.2969, 65.5630, 14.2741

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.



7.4506, 23.2182, 36.0722



47.1706, 23.2182, 51.8646



11.4941, 23.2182, 1.6845

Square

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



47.1706, 23.2182, 51.8646



30.0396, 23.2182, 0.4744



7.9602, 23.2182, 9.8082



15.6487, 23.2182, 128.7264

Rectangle

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



47.1706, 23.2182, 51.8646



45.0075, 23.2182, 6.0872



7.9602, 23.2182, 9.8082



8.6501, 23.2182, 66.1331

Sweetspot

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



47.1714, 23.2194, 51.8650



72.7586, 59.4995, 88.8840



17.7506, 7.2476, 86.8500



15.0587, 11.8227, 18.4938



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.



47.1714, 23.2194, 51.8650



51.6450, 25.4220, 56.7218



38.8773, 19.9018, 8.1890



17.0511, 16.7033, 20.0157



25.4646, 12.5293, 28.2185



2.2753, 1.1161, 2.6761

Inverse Universe

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



47.1714, 23.2194, 51.8650



51.6450, 25.4220, 56.7218



40.0531, 68.2654, 49.8515



17.0511, 16.7033, 20.0157



25.4646, 12.5293, 28.2185



2.2753, 1.1161, 2.6761

Previews

White Background



This preview shows how the XYZ color 47.1706, 23.2182, 51.8646 looks on a white background.

Color Contrast Check

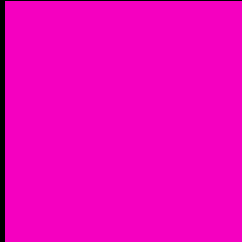
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1706, 23.2182, 51.8646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

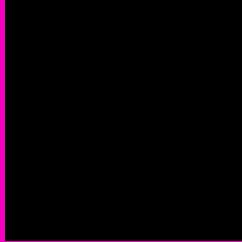
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.1706, 23.2182, 51.8646

Background



This preview shows how black text looks on a background with the XYZ color 47.1706, 23.2182, 51.8646.



This preview shows how white text looks on a background with the XYZ color 47.1706, 23.2182,

51.8646.

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

47.1706, 23.2182, 51.8646

Protanopia

28.0825, 24.2420, 97.8068

Deuteranopia

24.3746, 23.8628, 46.5013



Tritanopia

38.6245, 23.5809, 10.1053

Trichromacy



Original Color

47.1706, 23.2182, 51.8646



Protanomaly

26.7120, 16.6798, 78.1556



Deuteranomaly

27.5479, 17.9083, 47.3521



Tritanomaly

40.1047, 21.8451, 20.1919

Monochromacy



Original Color

47.1706, 23.2182, 51.8646



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.2228, 11.3275, 22.3451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1706, 23.2182, 51.8646 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(245, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 192)  
}
```

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(245, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 192) }
```

Border

The CSS property to change the border of an element to XYZ 47.1706, 23.2182, 51.8646 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(245, 0, 192) }
```


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

```
.border{ border-color:rgb(245, 0, 192) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1706, 23.2182, 51.8646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 192) }
```

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

```
.background{ background-color: rgb(245, 0,  
192) }
```

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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