

Converting Colors

XYZ(48.5574, 23.0599, 96.4995)

Have a look what the booklet for
XYZ(48.5574, 23.0599, 96.4995)
contains.

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Color

**XYZ(48.5574, 23.0599,
96.4995)**

Conversions

Conversions Part 1

Format	Color
Hex	DF07FF
RGB	223, 7, 255
RGB Percent	87%, 3%, 100%
CMY	0.1255, 0.9725, 0.0000
CMYK	0.13, 0.97, 0.00, 0.00
HSL	292°, 100%, 51%
HSV	292°, 97%, 100%
XYZ	48.5574, 23.0599, 96.4995
YIQ	99.8560, 49.1280, 122.9200

Conversions

Conversions Part 2

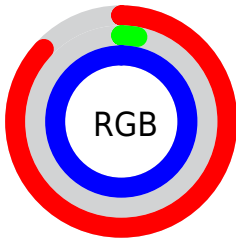
Format	Color
R_{YB}	223, 7, 255
Decimal	14616575
CIE _{Lab}	55.13, 93.10, -69.47
CIE _{LCh}	55, 116.156, 323.270
Yxy	23.0599, 0.2888, 0.1372
Android (android.graphics.Color)	4292806655 (0xFFDF07FF)
YUV	99.8560, 76.4860, 107.9973
Hunter-Lab	48.0207, 96.4586, -85.5310

Details

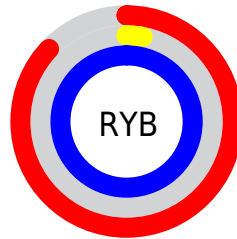
The XYZ color **48.5574, 23.0599, 96.4995** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.6360, 71.9672, 12.1619**, and the grayscale version is **11.8836, 12.5025, 13.6152**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **24.9783, 11.7126, 53.7676** is the 20% darker color. If you saturate the color by 10%, you get **48.2036, 22.7647, 96.4612**, and if you desaturate by 10%, it is **50.0367, 24.4976, 96.6990**.

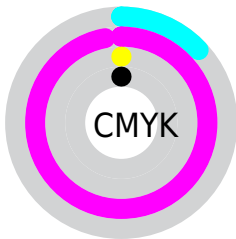
Distribution



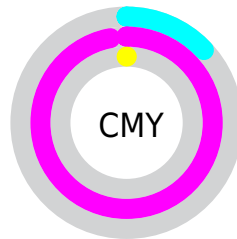
- Red (87%)
- Green (3%)
- Blue (100%)



- Red (87%)
- Yellow (3%)
- Blue (100%)



- Cyan (13%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5574, 23.0599, 96.4995 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 48.5574, 23.0599, 96.4995 by changing the saturation by 10% instead.


 48.5574, 23.0599,
96.4995


 48.5574, 23.0599,
96.4995


371.5432,
268.0325, 570.0609

 34.4816, 14.6377,
72.7799

 87.2384, 48.4917,
158.3480

 23.4285, 8.5655,
53.3053


 112.5744, 66.2701,
197.3139


 15.0326, 4.4589,
37.6571


 142.3944, 87.9360,
242.1989

 8.9288, 1.9334,
25.4169

 177.0638,
113.8739, 293.4217

 4.7515, 0.5684,
16.1661

 216.9481,
144.4680, 351.4008

 2.1354, 0.0000,
9.4861

262.4125,

 0.7084, 0.0000,

180.1030, 416.5547

4.9585

313.8224,
221.1630, 489.3018

■ 0.0000, 0.0000,
2.1646

■ 0.0000, 0.0000,
0.6538

■ 48.5574, 23.0599,
96.4995

■ 48.5574, 23.0599,
96.4995

■ 48.2036, 22.7647,
96.4612

■ 50.0367, 24.4976,
96.6990

■ 52.0638, 27.0027,
97.0757

■ 54.7466, 30.7895,
97.6652

■ 58.1678, 36.0235,
98.4952

■ 62.3981, 42.8456,
99.5890

■ 67.4993, 51.3796,
100.9674

■ 73.5274, 61.7372,
102.6489

■ 80.5336, 74.0205,
104.6506

■ 88.5652, 88.3243,
106.9881

Harmonies

Analogous

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



33.3053, 23.0599, 164.2014



48.5574, 23.0599, 96.4995



57.1304, 23.0599, 34.4302

Triad

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



48.5574, 23.0599, 96.4995



24.9682, 23.0599, 0.0000



6.0743, 23.0599, 65.1538

Complementary

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



48.5574, 23.0599, 96.4995



36.6360, 71.9672, 12.1619

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.



5.3195, 23.0599, 17.6420



48.5574, 23.0599, 96.4995



13.4760, 23.0599, 0.0000

Square

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



48.5574, 23.0599, 96.4995



40.4447, 23.0599, 0.1372



7.4015, 23.0599, 2.0469



10.1409, 23.0599, 136.6672

Rectangle

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



48.5574, 23.0599, 96.4995



56.2007, 23.0599, 12.0346



7.4015, 23.0599, 2.0469



5.5139, 23.0599, 45.3025

Sweetspot

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



48.5584, 23.0608, 96.4996



72.4002, 59.7830, 102.3311



18.8997, 8.7889, 95.3080



14.9367, 11.8315, 21.7464



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.



48.5584, 23.0608, 96.4996



48.2036, 22.7647, 96.4612



48.0239, 24.0956, 37.2776



18.5485, 18.1745, 22.7804



25.2776, 11.9415, 50.4073



2.5227, 1.1944, 4.9109

Inverse Universe

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



41.6828, 21.5591, 3.8858



41.5132, 21.3693, 3.3685



38.0501, 72.4462, 23.5208



18.1047, 18.0252, 19.1688



21.7208, 11.1776, 1.9143



2.1432, 1.0997, 0.3355

Previews

White Background



This preview shows how the XYZ color 48.5574, 23.0599, 96.4995 looks on a white background.

Color Contrast Check

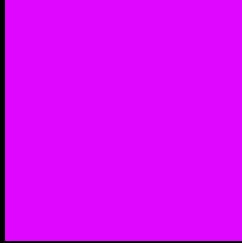
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5574, 23.0599, 96.4995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

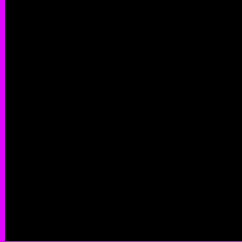
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.5574, 23.0599, 96.4995

Background



This preview shows how black text looks on a background with the XYZ color 48.5574, 23.0599, 96.4995.



This preview shows how white text looks on a background with the XYZ color 48.5574, 23.0599,

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

48.5574, 23.0599, 96.4995

Protanopia

27.5876, 23.7904, 97.7457

Deuteranopia

24.3921, 23.6192, 85.7114



Tritanopia

32.1129, 23.0132, 16.6594

Trichromacy



Original Color

48.5574, 23.0599, 96.4995



Protanomaly

28.6346, 17.4989, 96.4762



Deuteranomaly

23.3645, 15.3213, 88.1121



Tritanomaly

35.2452, 20.3185, 35.7825

Monochromacy



Original Color

48.5574, 23.0599, 96.4995



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

19.6260, 12.3165, 32.7954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5574, 23.0599, 96.4995 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(223, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 7, 255)  
}
```

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(223, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 7, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.5574, 23.0599, 96.4995 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(223, 7, 255) }
```


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

```
.border{ border-color:rgb(223, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 7,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5574, 23.0599, 96.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 7, 255) }
```

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

```
.background{ background-color: rgb(223, 7,  
255) }
```

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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