

Converting Colors

XYZ(48.9022, 23.8009, 65.9533)

Have a look what the booklet for
XYZ(48.9022, 23.8009, 65.9533)
contains.

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Color

**XYZ(48.7555, 23.7323,
65.6294)**

Conversions

Conversions Part 1

Format	Color
Hex	F200D6
RGB	242, 0, 214
RGB Percent	95%, 0%, 84%
CMY	0.0510, 0.9998, 0.1608
CMYK	0.00, 1.00, 0.12, 0.05
HSL	307°, 100%, 47%
HSV	307°, 100%, 95%
XYZ	48.7555, 23.7323, 65.6294
YIQ	96.7540, 75.5380, 117.8580

Conversions

Conversions Part 2

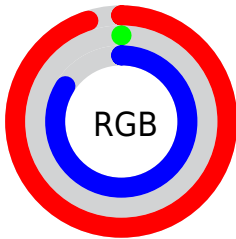
Format	Color
RYB	242, 0, 214
Decimal	15859926
CIELab	55.82, 90.69, -45.12
CIELCh	56, 101.290, 333.549
Yxy	23.7323, 0.3530, 0.1718
Android (android.graphics.Color)	4294050006 (0xFFFF200D6)
YUV	96.7540, 57.8023, 127.3807
Hunter-Lab	48.7158, 93.3928, -45.7738

Details

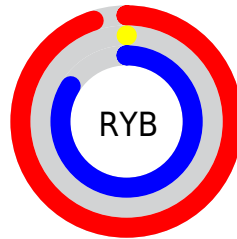
The XYZ color **48.7555, 23.7323, 65.6294** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **31.9632, 63.5891, 11.6910**, and the grayscale version is **11.1590, 11.7402, 12.7850**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.3141, 12.3270, 33.8460** is the 20% darker color. If you saturate the color by 10%, you get **48.7551, 23.7322, 65.6259**, and if you desaturate by 10%, it is **49.4485, 24.5403, 67.6405**.

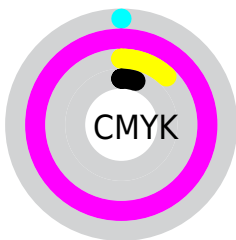
Distribution



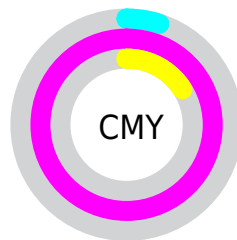
- Red (95%)
- Green (0%)
- Blue (84%)



- Red (95%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7555, 23.7323, 65.6294 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 48.7555, 23.7323, 65.6294 by changing the saturation by 10% instead.

 48.7555, 23.7323,
65.6294


 48.7555, 23.7323,
65.6294


372.3119,
271.4643, 463.4183


 34.6393, 15.1352,
47.5170

 87.5311, 49.5930,
114.5762

 23.5504, 8.9143,
33.0873


 112.9212, 67.6253,
146.2477


 15.1233, 4.6853,
21.9217


 142.8001, 89.5716,
183.2760

 8.9929, 2.0638,
13.6016

 177.5329,
115.8160, 226.0796

 4.7936, 0.6442,
7.7085

 217.4852,
146.7431, 275.0771

 2.1602, 0.0000,
3.8239

263.0222,

 0.7216, 0.0000,

182.7373, 330.6870

1.5293

314.5093,
224.1829, 393.3279

■ 0.0000, 0.0000,
0.2396

■ 0.0000, 0.0000,
0.0000

■ 48.7555, 23.7323,
65.6294

■ 48.7555, 23.7323,
65.6294

■ 48.7551, 23.7322,
65.6259

■ 49.4485, 24.5403,
67.6405

■ 50.5591, 26.1744,
69.8212

■ 52.2165, 28.8919,
72.2148

■ 54.4972, 32.8461,
74.8469

■ 57.4656, 38.1656,
77.7392

■ 61.1778, 44.9627,
80.9105

■ 65.6843, 53.3384,
84.3778

■ 71.0312, 63.3846,
88.1566

■ 77.2609, 75.1860,
92.2611

Harmonies

Analogous

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



37.1397, 23.7323, 122.9077



48.7555, 23.7323, 65.6294



52.6593, 23.7323, 22.1107

Triad

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



48.7555, 23.7323, 65.6294



21.2139, 23.7323, 0.0000



8.6781, 23.7323, 79.1156

Complementary

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



48.7555, 23.7323, 65.6294



31.9632, 63.5891, 11.6910

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.



6.8888, 23.7323, 29.9676



48.7555, 23.7323, 65.6294



12.3995, 23.7323, 0.8265

Square

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



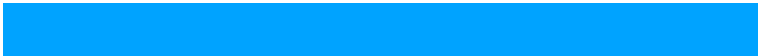
48.7555, 23.7323, 65.6294



33.9271, 23.7323, 0.3882



7.9731, 23.7323, 6.6360



14.0616, 23.7323, 134.3464

Rectangle

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



48.7555, 23.7323, 65.6294



49.5522, 23.7323, 7.8831



7.9731, 23.7323, 6.6360



7.7385, 23.7323, 60.3579

Sweetspot

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



48.7564, 23.7335, 65.6298



73.9172, 59.9630, 94.9852



16.4102, 6.6091, 84.4158



15.3388, 11.9348, 19.9687



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.



48.7564, 23.7335, 65.6298



54.8975, 26.7230, 73.8495



38.7685, 19.7383, 13.0341



16.3709, 15.9981, 19.5093



26.2244, 12.7622, 35.4281



2.2038, 1.0706, 3.0639

Inverse Universe

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



48.7564, 23.7335, 65.6298



54.8975, 26.7230, 73.8495



36.8808, 65.5562, 37.5868



16.3709, 15.9981, 19.5093



26.2244, 12.7622, 35.4281



2.2038, 1.0706, 3.0639

Previews

White Background



This preview shows how the XYZ color 48.7555, 23.7323, 65.6294 looks on a white background.

Color Contrast Check

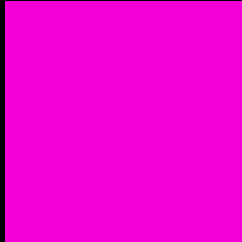
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7555, 23.7323, 65.6294 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 48.7555, 23.7323, 65.6294

Background



This preview shows how black text looks on a background with the XYZ color 48.7555, 23.7323, 65.6294.



This preview shows how white text looks on a background with the XYZ color 48.7555, 23.7323,

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

48.7555, 23.7323, 65.6294

Protanopia

28.4131, 24.6108, 97.8606

Deuteranopia

25.0116, 24.3314, 58.6365



Tritanopia

37.6066, 23.8849, 12.0794

Trichromacy



Original Color

48.7555, 23.7323, 65.6294



Protanomaly

28.0274, 17.2236, 84.2854



Deuteranomaly

27.9066, 17.9218, 60.3809



Tritanomaly

39.5079, 21.7599, 24.6720

Monochromacy



Original Color

48.7555, 23.7323, 65.6294



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0339, 11.8227, 26.0898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7555, 23.7323, 65.6294 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(242, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 214)  
}
```

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(242, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 48.7555, 23.7323, 65.6294 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(242, 0, 214) }
```


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

```
.border{ border-color:rgb(242, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7555, 23.7323, 65.6294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 214) }
```

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

```
.background{ background-color: rgb(242, 0,  
214) }
```

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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