

Converting Colors

XYZ(48.2562, 23.5424, 62.5515)

Have a look what the booklet for
XYZ(48.2562, 23.5424, 62.5515)
contains.

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Color

**XYZ(48.1266, 23.4807,
62.3173)**

Conversions

Conversions Part 1

Format	Color
Hex	F200D1
RGB	242, 0, 209
RGB Percent	95%, 0%, 82%
CMY	0.0510, 0.9998, 0.1804
CMYK	0.00, 1.00, 0.14, 0.05
HSL	308°, 100%, 47%
HSV	308°, 100%, 95%
XYZ	48.1266, 23.4807, 62.3173
YIQ	96.1840, 77.1430, 116.3030

Conversions

Conversions Part 2

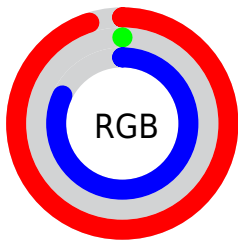
Format	Color
R_{YB}	242, 0, 209
Decimal	15859921
CIE _{Lab}	55.56, 90.06, -42.67
CIE _{LCh}	56, 99.652, 334.650
Yxy	23.4807, 0.3594, 0.1753
Android (android.graphics.Color)	4294050001 (0xFFFF200D1)
YUV	96.1840, 55.6183, 127.8806
Hunter-Lab	48.4569, 92.4838, -42.3292

Details

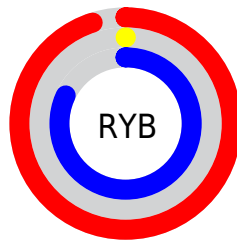
The XYZ color **48.1266, 23.4807, 62.3173** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.0282, 63.6152, 12.0332**, and the grayscale version is **11.0255, 11.5997, 12.6321**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **24.8888, 12.1569, 31.6066** is the 20% darker color. If you saturate the color by 10%, you get **48.1262, 23.4806, 62.3135**, and if you desaturate by 10%, it is **48.8717, 24.3096, 64.6031**.

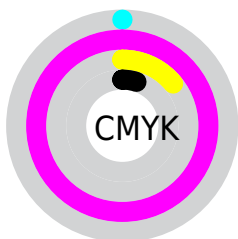
Distribution



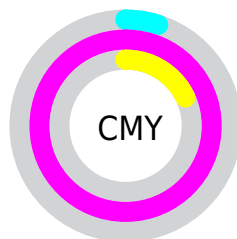
- Red (95%)
- Green (0%)
- Blue (82%)



- Red (95%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1266, 23.4807, 62.3173 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 48.1266, 23.4807, 62.3173 by changing the saturation by 10% instead.


 48.1266, 23.4807,
62.3173


 48.1266, 23.4807,
62.3173


369.8680,
270.1844, 451.1271


 34.1388, 14.9489,
44.8517


 86.6014, 49.1814,
109.7600


 23.1637, 8.7835,
30.9985


 111.8192, 67.1191,
140.5742

 14.8358, 4.6002,
20.3393


 141.5110, 88.9609,
176.6750

 8.7898, 2.0147,
12.4554

 176.0422,
115.0911, 218.4810

 4.6603, 0.6160,
6.9283

 215.7781,
145.8942, 266.4106

 2.0821, 0.0000,
3.3395

261.0841,

 0.6794, 0.0000,

181.7545, 320.8825

1.2705

312.3256,
223.0564, 382.3152

■ 0.0000, 0.0000,
0.0374

■ 0.0000, 0.0000,
0.0000

■ 48.1266, 23.4807,
62.3173

■ 48.1266, 23.4807,
62.3173

■ 48.1262, 23.4806,
62.3135

■ 48.8717, 24.3096,
64.6031

■ 50.0368, 25.9653,
67.0707

■ 51.7510, 28.7055,
69.7637

■ 54.0909, 32.6833,
72.7077

■ 57.1208, 38.0273,
75.9245

■ 60.8970, 44.8499,
79.4330

■ 65.4700, 53.2521,
83.2504

■ 70.8857, 63.3257,
87.3921

■ 77.1867, 75.1556,
91.8726

Harmonies

Analogous

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



37.0124, 23.4807, 117.8819



48.1266, 23.4807, 62.3173



51.5630, 23.4807, 20.8667

Triad

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



48.1266, 23.4807, 62.3173



20.6099, 23.4807, 0.0000



8.8341, 23.4807, 79.4339

Complementary

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



48.1266, 23.4807, 62.3173



32.0282, 63.6152, 12.0332

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.



6.9558, 23.4807, 30.9237



48.1266, 23.4807, 62.3173



12.1405, 23.4807, 0.9663

Square

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



48.1266, 23.4807, 62.3173



32.9185, 23.4807, 0.4016



7.9222, 23.4807, 7.1583



14.2787, 23.4807, 132.3466

Rectangle

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



48.1266, 23.4807, 62.3173



48.3135, 23.4807, 7.4563



7.9222, 23.4807, 7.1583



7.8662, 23.4807, 61.0816

Sweetspot

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



48.1275, 23.4819, 62.3177



73.6753, 59.8662, 93.7115



16.6329, 6.7239, 84.4264



15.2802, 11.9113, 19.6601



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.



48.1275, 23.4819, 62.3177



54.1875, 26.4390, 70.1104



38.4120, 19.5957, 11.1569



16.3561, 15.9922, 19.4314



25.8912, 12.6289, 33.6734



2.1793, 1.0608, 2.9350

Inverse Universe

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



48.1275, 23.4819, 62.3177



54.1875, 26.4390, 70.1104



37.5263, 65.8145, 40.9858



16.3561, 15.9922, 19.4314



25.8912, 12.6289, 33.6734



2.1793, 1.0608, 2.9350

Previews

White Background



This preview shows how the XYZ color 48.1266, 23.4807, 62.3173 looks on a white background.

Color Contrast Check

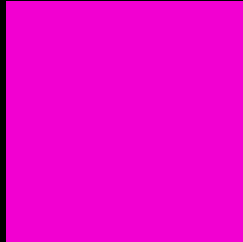
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1266, 23.4807, 62.3173 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 48.1266, 23.4807, 62.3173

Background



This preview shows how black text looks on a background with the XYZ color 48.1266, 23.4807, 62.3173.



This preview shows how white text looks on a background with the XYZ color 48.1266, 23.4807,

62.3173.

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

48.1266, 23.4807, 62.3173

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

24.6580, 24.0118, 55.5597



Tritanopia

37.6926, 23.7116, 11.6070

Trichromacy



Original Color

48.1266, 23.4807, 62.3173



Protanomaly

27.5791, 17.0267, 82.7218



Deuteranomaly

27.6957, 17.8821, 57.2502



Tritanomaly

39.5857, 21.7568, 23.5858

Monochromacy



Original Color

48.1266, 23.4807, 62.3173



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5785, 11.5332, 24.9138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1266, 23.4807, 62.3173 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 48.1266, 23.4807, 62.3173 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, 209) }
```


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

```
.border{ border-color:rgb(242, 0, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1266, 23.4807, 62.3173 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, 209) }
```

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

```
.background{ background-color: rgb(242, 0,  
209) }
```

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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