

Converting Colors

XYZ(49.0716, 23.9706, 62.2388)

Have a look what the booklet for
XYZ(49.0716, 23.9706, 62.2388)
contains.

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Color

**XYZ(49.1648, 24.0159,
62.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	F500D1
RGB	245, 0, 209
RGB Percent	96%, 0%, 82%
CMY	0.0392, 0.9998, 0.1804
CMYK	0.00, 1.00, 0.15, 0.04
HSL	309°, 100%, 48%
HSV	309°, 100%, 96%
XYZ	49.1648, 24.0159, 62.3659
YIQ	97.0810, 78.9310, 116.9390

Conversions

Conversions Part 2

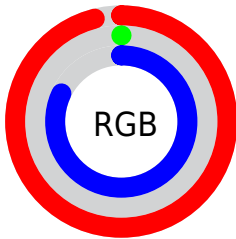
Format	Color
R _Y B	245, 0, 209
Decimal	16056529
CIE Lab	56.10, 90.58, -41.78
CIE LCh	56, 99.747, 335.238
Yxy	24.0159, 0.3627, 0.1772
Android (android.graphics.Color)	4294246609 (0xFFFF500D1)
YUV	97.0810, 55.1761, 129.7250
Hunter-Lab	49.0060, 93.3178, -41.1493

Details

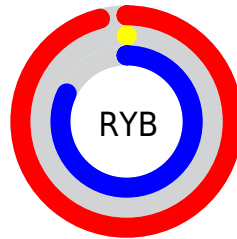
The XYZ color **49.1648, 24.0159, 62.3659** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.9724, 65.4333, 12.5650**, and the grayscale version is **11.2442, 11.8297, 12.8826**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.5999, 12.5234, 31.6398** is the 20% darker color. If you saturate the color by 10%, you get **49.1643, 24.0158, 62.3616**, and if you desaturate by 10%, it is **49.9542, 24.8726, 64.8537**.

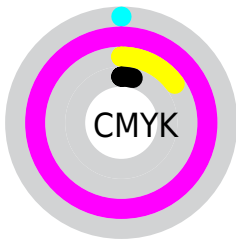
Distribution



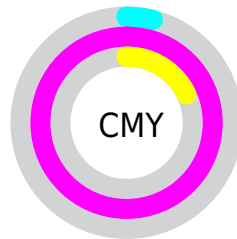
- Red (96%)
- Green (0%)
- Blue (82%)



- Red (96%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1648, 24.0159, 62.3659 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 49.1648, 24.0159, 62.3659 by changing the saturation by 10% instead.

 49.1648, 24.0159,
62.3659

 49.1648, 24.0159,
62.3659


373.8969,
272.9009, 451.3090


 34.9653, 15.3454,
44.8907


 88.1354, 50.0561,
109.8309


 23.8025, 9.0622,
31.0290


 113.6373, 68.1947,
140.6578


 15.3111, 4.7818,
20.3623

 143.6372, 90.2581,
176.7724

 9.1258, 2.1198,
12.4720

 178.5007,
116.6306, 218.5931

 4.8811, 0.6757,
6.9396

 218.5931,
147.6968, 266.5386

 2.2117, 0.0000,
3.3465

264.2797,

 0.7489, 0.0000,

183.8410, 321.0274

1.2741

315.9258,
225.4475, 382.4780

■ 0.0000, 0.0000,
0.0405

■ 0.0000, 0.0000,
0.0000

■ 49.1648, 24.0159,
62.3659

■ 49.1648, 24.0159,
62.3659

■ 49.1643, 24.0158,
62.3616

■ 49.9542, 24.8726,
64.8537

■ 51.1776, 26.5815,
67.5361

■ 52.9673, 29.4068,
70.4576

■ 55.4024, 33.5064,
73.6449

■ 58.5492, 39.0129,
77.1204

■ 62.4657, 46.0421,
80.9037

■ 67.2039, 54.6982,
85.0126

■ 72.8114, 65.0758,
89.4631

■ 79.3318, 77.2624,
94.2701

Harmonies

Analogous

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



38.0001, 24.0159, 118.6095



49.1648, 24.0159, 62.3659



52.4527, 24.0159, 20.8138

Triad

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



49.1648, 24.0159, 62.3659



20.8782, 24.0159, 0.0000



9.1700, 24.0159, 81.8723

Complementary

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



49.1648, 24.0159, 62.3659



32.9724, 65.4333, 12.5650

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.



7.1899, 24.0159, 32.3265



49.1648, 24.0159, 62.3659



12.3489, 24.0159, 1.0706

Square

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



49.1648, 24.0159, 62.3659



33.3249, 24.0159, 0.4303



8.1204, 24.0159, 7.6529



14.8029, 24.0159, 135.0616

Rectangle

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



49.1648, 24.0159, 62.3659



49.0363, 24.0159, 7.4460



8.1204, 24.0159, 7.6529



8.1592, 24.0159, 63.2150

Sweetspot

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



49.1657, 24.0171, 62.3663



73.5523, 59.8170, 93.0638



17.1000, 6.9122, 86.8198



15.2504, 11.8994, 19.5032



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.



49.1657, 24.0171, 62.3663



53.8326, 26.2970, 68.2415



39.4967, 20.1495, 11.4500



17.1028, 16.7240, 20.2878



26.5261, 12.9539, 33.8085



2.3593, 1.1497, 3.1186

Inverse Universe

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



49.1657, 24.0171, 62.3663



53.8326, 26.2970, 68.2415



38.5852, 67.6784, 42.1213



17.1028, 16.7240, 20.2878



26.5261, 12.9539, 33.8085



2.3593, 1.1497, 3.1186

Previews

White Background



This preview shows how the XYZ color 49.1648, 24.0159, 62.3659 looks on a white background.

Color Contrast Check

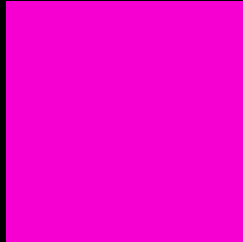
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1648, 24.0159, 62.3659 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 49.1648, 24.0159, 62.3659

Background



This preview shows how black text looks on a background with the XYZ color 49.1648, 24.0159, 62.3659.



This preview shows how white text looks on a background with the XYZ color 49.1648, 24.0159,

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

49.1648, 24.0159, 62.3659

Protanopia

28.6852, 24.9515, 97.9120

Deuteranopia

25.3099, 24.7582, 55.6694



Tritanopia

38.6693, 24.2151, 11.6527

Trichromacy



Original Color

49.1648, 24.0159, 62.3659



Protanomaly

28.1187, 17.4192, 82.7692



Deuteranomaly

28.3676, 18.3462, 57.3044



Tritanomaly

40.5846, 22.2718, 23.6326

Monochromacy



Original Color

49.1648, 24.0159, 62.3659



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0726, 11.8595, 25.3286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1648, 24.0159, 62.3659 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.1648, 24.0159, 62.3659 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, 209) }
```


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

```
.border{ border-color:rgb(245, 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(245, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1648, 24.0159, 62.3659 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, 209) }
```

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

```
.background{ background-color: rgb(245, 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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