

Converting Colors

XYZ(48.6626, 23.9104, 55.4148)

Have a look what the booklet for
XYZ(48.6626, 23.9104, 55.4148)
contains.

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Color

**XYZ(48.5508, 23.8514,
55.4709)**

Conversions

Conversions Part 1

Format	Color
Hex	F700C6
RGB	247, 0, 198
RGB Percent	97%, 0%, 78%
CMY	0.0314, 0.9998, 0.2235
CMYK	0.00, 1.00, 0.20, 0.03
HSL	312°, 100%, 48%
HSV	312°, 100%, 97%
XYZ	48.5508, 23.8514, 55.4709
YIQ	96.4250, 83.6540, 113.9420

Conversions

Conversions Part 2

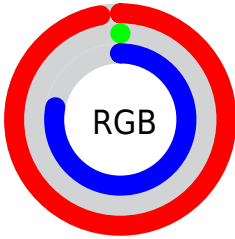
Format	Color
R_{YB}	247, 0, 198
Decimal	16187590
CIE _{Lab}	55.94, 89.61, -35.70
CIE _{LCh}	56, 96.459, 338.277
Yxy	23.8514, 0.3797, 0.1865
Android (android.graphics.Color)	4294377670 (0xFFFF700C6)
YUV	96.4250, 50.0765, 132.0543
Hunter-Lab	48.8379, 91.9844, -33.1560

Details

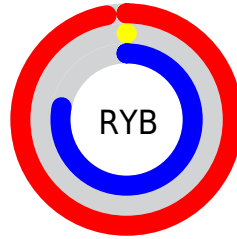
The XYZ color **48.5508, 23.8514, 55.4709** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.8171, 66.7444, 14.0123**, and the grayscale version is **11.0967, 11.6746, 12.7136**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.0416, 12.3279, 27.4452** is the 20% darker color. If you saturate the color by 10%, you get **48.5498, 23.8510, 55.4647**, and if you desaturate by 10%, it is **49.4681, 24.7661, 58.6114**.

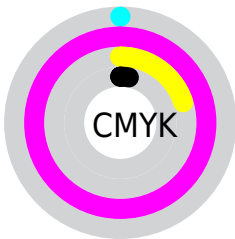
Distribution



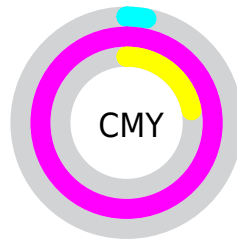
- Red (97%)
- Green (0%)
- Blue (78%)



- Red (97%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5508, 23.8514, 55.4709 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 48.5508, 23.8514, 55.4709 by changing the saturation by 10% instead.


 48.5508, 23.8514,
55.4709

 48.5508, 23.8514,
55.4709

371.5176,
272.0683, 425.0266

 34.4763, 15.2234,
39.3777

 87.2287, 49.7876,
99.7086

 23.4244, 8.9763,
26.7436


 112.5628, 67.8646,
128.6902

 15.0296, 4.7258,
17.1500


 142.3809, 89.8601,
162.8051

 8.9266, 2.0873,
10.1784

 177.0482,
116.1584, 202.4717

 4.7501, 0.6575,
5.4103

 216.9302,
147.1440, 248.1086

 2.1346, 0.0000,
2.4270

262.3922,

 0.7079, 0.0000,

183.2013, 300.1344

0.8011

313.7995,
224.7146, 358.9675

■ 0.0000, 0.0000,
0.0000

■ 48.5508, 23.8514,
55.4709

■ 48.5508, 23.8514,
55.4709

■ 48.5498, 23.8510,
55.4647

■ 49.4681, 24.7661,
58.6114

■ 50.8362, 26.5534,
61.9931

■ 52.7897, 29.4814,
65.6619

■ 55.4092, 33.7116,
69.6453

■ 58.7626, 39.3791,
73.9670

■ 62.9091, 46.6024,
78.6473

■ 67.9020, 55.4875,
83.7048

■ 73.7897, 66.1311,
89.1564

■ 80.6170, 78.6226,
95.0178

Harmonies

Analogous

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



38.4632, 23.8514, 108.4843



48.5508, 23.8514, 55.4709



50.7124, 23.8514, 18.1880

Triad

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



48.5508, 23.8514, 55.4709



19.7589, 23.8514, 0.0693



9.7873, 23.8514, 84.4886

Complementary

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



48.5508, 23.8514, 55.4709



33.8171, 66.7444, 14.0123

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.



7.5175, 23.8514, 35.7051



48.5508, 23.8514, 55.4709



11.9277, 23.8514, 1.5344

Square

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



48.5508, 23.8514, 55.4709



31.4368, 23.8514, 0.4780



8.1487, 23.8514, 9.3799



15.7065, 23.8514, 132.7163

Rectangle

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



48.5508, 23.8514, 55.4709



46.8724, 23.8514, 6.5429



8.1487, 23.8514, 9.3799



8.6764, 23.8514, 66.5470

Sweetspot

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



48.5516, 23.8527, 55.4713



72.9616, 59.5807, 89.9531



17.8858, 7.2819, 88.4590



15.1077, 11.8423, 18.7516



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.



48.5516, 23.8527, 55.4713



52.1874, 25.6389, 59.5780



39.7428, 20.3291, 9.0847



17.0644, 16.7086, 20.0859



25.7280, 12.6346, 29.6059



2.2963, 1.1245, 2.7867

Inverse Universe

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



48.5516, 23.8527, 55.4713



52.1874, 25.6389, 59.5780



40.4043, 69.3793, 48.7001



17.0644, 16.7086, 20.0859



25.7280, 12.6346, 29.6059



2.2963, 1.1245, 2.7867

Previews

White Background



This preview shows how the XYZ color 48.5508, 23.8514, 55.4709 looks on a white background.

Color Contrast Check

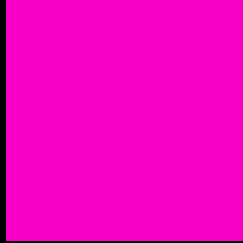
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5508, 23.8514, 55.4709 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 48.5508, 23.8514, 55.4709

Background



This preview shows how black text looks on a background with the XYZ color 48.5508, 23.8514, 55.4709.



This preview shows how white text looks on a background with the XYZ color 48.5508, 23.8514,

55.4709.

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

48.5508, 23.8514, 55.4709

Protanopia

28.6160, 24.9158, 97.9087

Deuteranopia

25.1338, 24.5884, 49.8757



Tritanopia

39.1724, 24.0625, 10.5626

Trichromacy



Original Color

48.5508, 23.8514, 55.4709



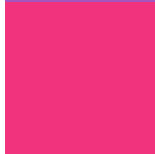
Protanomaly

27.5373, 17.1867, 79.7079



Deuteranomaly

28.2686, 18.3217, 50.7617



Tritanomaly

41.0543, 22.4372, 21.2358

Monochromacy



Original Color

48.5508, 23.8514, 55.4709



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6649, 11.6103, 23.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5508, 23.8514, 55.4709 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(247, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 198)  
}
```

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(247, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 48.5508, 23.8514, 55.4709 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(247, 0, 198) }
```


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

```
.border{ border-color:rgb(247, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5508, 23.8514, 55.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 198) }
```

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

```
.background{ background-color: rgb(247, 0,  
198) }
```

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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