

Converting Colors

XYZ(63.2664, 45.1596, 89.8822)

Have a look what the booklet for
XYZ(63.2664, 45.1596, 89.8822)
contains.

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Color

**XYZ(63.1589, 45.0502,
90.1607)**

Conversions

Conversions Part 1

Format	Color
Hex	F48EF3
RGB	244, 142, 243
RGB Percent	96%, 56%, 95%
CMY	0.0431, 0.4431, 0.0471
CMYK	0.00, 0.42, 0.00, 0.04
HSL	301°, 82%, 76%
HSV	301°, 42%, 96%
XYZ	63.1589, 45.0502, 90.1607
YIQ	184.0120, 28.3710, 53.0350

Conversions

Conversions Part 2

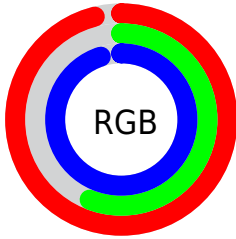
Format	Color
R_{YB}	244, 142, 243
Decimal	16027379
CIE _{Lab}	72.92, 53.02, -34.49
CIE _{LCh}	73, 63.251, 326.956
Yxy	45.0502, 0.3184, 0.2271
Android (android.graphics.Color)	4294217459 (0xFFFF48EF3)
YUV	184.0120, 29.0811, 52.6095
Hunter-Lab	67.1194, 50.5081, -32.6599

Details

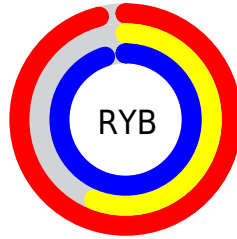
The XYZ color **63.1589, 45.0502, 90.1607** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.4659, 72.4370, 37.4165**, and the grayscale version is **45.4016, 47.7660, 52.0172**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **32.6023, 20.9637, 48.7824** is the 20% darker color. If you saturate the color by 10%, you get **59.8825, 38.5542, 88.8907**, and if you desaturate by 10%, it is **67.2329, 53.1392, 91.6976**.

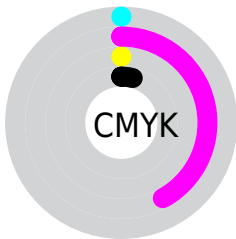
Distribution



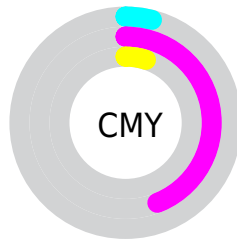
- Red (96%)
- Green (56%)
- Blue (95%)



- Red (96%)
- Yellow (56%)
- Blue (95%)



- Cyan (0%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)





- Cyan (4%)
- Magenta (44%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1589, 45.0502, 90.1607 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 63.1589, 45.0502, 90.1607 by changing the saturation by 10% instead.


 63.1589, 45.0502,
90.1607

 63.1589, 45.0502,
90.1607


425.7964,
366.9768, 549.1370

 46.2289, 31.4970,
67.5395


 108.4792, 82.7957,
149.4991

 32.6319, 20.9776,
49.0588


 137.6003,
107.7568, 187.0533

 22.0025, 13.1076,
34.3002


171.5158,
137.2893, 230.4222

 13.9753, 7.5027,
22.8451

210.5910,
171.7776, 280.0245

 8.1851, 3.7784,
14.2749

255.1913,
211.6062, 336.2785

 4.2664, 1.5504,
8.1712

305.6821,

 1.8539, 0.3238,

257.1593, 399.6030

4.1154

362.4287,
308.8214, 470.4163

■ 0.5498, 0.0000,
1.6888

■ 0.0000, 0.0000,
0.3531

■ 63.1589, 45.0502,
90.1607

■ 63.1589, 45.0502,
90.1607

■ 59.8825, 38.5542,
88.8907

■ 67.2329, 53.1392,
91.6976

■ 57.3467, 33.5404,
87.8674

■ 72.1475, 62.9105,
93.5146

■ 55.4944, 29.8935,
87.0722

■ 77.9483, 74.4540,
95.6272

■ 54.2581, 27.4785,
86.4825

■ 84.6759, 87.8512,
98.0489

■ 53.5565, 26.1329,
86.0713

■ 89.4280, 97.2971,
99.8124

■ 53.2769, 25.6206,
85.8328

■ 89.4644, 97.3116,
100.0042

■ 89.5009, 97.3262,
100.1963

■ 89.5374, 97.3408,
100.3886

■ 89.5740, 97.3555,
100.5812

Harmonies

Analogous

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



53.1644, 45.0502, 125.5024



63.1589, 45.0502, 90.1607



67.6662, 45.0502, 52.3473

Triad

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



63.1589, 45.0502, 90.1607



43.9545, 45.0502, 9.9741



26.5672, 45.0502, 82.0381

Complementary

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



63.1589, 45.0502, 90.1607



48.4659, 72.4370, 37.4165

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.



24.9477, 45.0502, 45.8980



63.1589, 45.0502, 90.1607



33.9108, 45.0502, 12.3987

Square

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



63.1589, 45.0502, 90.1607



55.4489, 45.0502, 13.7329



27.3946, 45.0502, 22.8369



32.2690, 45.0502, 119.5671

Rectangle

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



63.1589, 45.0502, 90.1607



66.4638, 45.0502, 33.3922



27.3946, 45.0502, 22.8369



25.5748, 45.0502, 68.9719

Sweetspot

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



63.1604, 45.0522, 90.1616



85.3191, 80.6220, 105.3982



37.1595, 31.6308, 89.7360



17.9455, 16.6269, 22.4448



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.



63.1604, 45.0522, 90.1616



66.7433, 43.7079, 98.4740



56.6087, 42.4315, 55.6607



17.2062, 16.7653, 20.8326



28.9718, 13.9322, 46.6876



2.5486, 1.2254, 4.1151

Inverse Universe

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



63.1604, 45.0522, 90.1616



66.7433, 43.7079, 98.4740



53.1335, 74.3040, 61.9959



17.2062, 16.7653, 20.8326



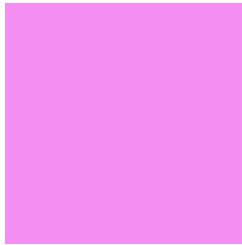
28.9718, 13.9322, 46.6876



2.5486, 1.2254, 4.1151

Previews

White Background



This preview shows how the XYZ color 63.1589, 45.0502, 90.1607 looks on a white background.

Color Contrast Check

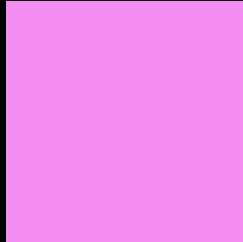
Large Text (above 18pt) WCAG AA × Fail

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 63.1589, 45.0502, 90.1607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

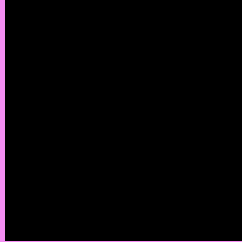
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1589, 45.0502, 90.1607

Background



This preview shows how black text looks on a background with the XYZ color 63.1589, 45.0502, 90.1607.



This preview shows how white text looks on a background with the XYZ color 63.1589, 45.0502,

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

63.1589, 45.0502, 90.1607

Protanopia

47.0986, 45.5343, 100.9144

Deuteranopia

46.3284, 45.1644, 86.3966



Tritanopia

53.7435, 45.0182, 43.8870

Trichromacy



Original Color

63.1589, 45.0502, 90.1607



Protanomaly

51.1816, 44.0807, 97.0777



Deuteranomaly

51.1036, 44.2522, 87.5094



Tritanomaly

56.5662, 44.6648, 58.4631

Monochromacy



Original Color

63.1589, 45.0502, 90.1607



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

50.6610, 45.9055, 63.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1589, 45.0502, 90.1607 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(244, 142, 243)` looks like.

```
.text, #text, p{  
    color:rgb(244, 142, 243)  
}
```

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(244, 142, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 142, 243) }
```

Border

The CSS property to change the border of an element to XYZ 63.1589, 45.0502, 90.1607 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(244, 142, 243) }
```


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

```
.border{ border-color:rgb(244, 142, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 142, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 142, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 142, 243);  
box-shadow:4px 4px 4px 4px rgb(244, 142,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1589, 45.0502, 90.1607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 142, 243) }
```

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

```
.background{ background-color: rgb(244,  
142, 243) }
```

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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