

Converting Colors

XYZ(63.5660, 45.9554,
100.1291)

Have a look what the booklet for
XYZ(63.5660, 45.9554, 100.1291)
contains.

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Color

**XYZ(63.5888, 45.9549,
100.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	EE92FF
RGB	238, 146, 255
RGB Percent	93%, 57%, 100%
CMY	0.0667, 0.4274, 0.0000
CMYK	0.07, 0.43, 0.00, 0.00
HSL	291°, 100%, 79%
HSV	291°, 43%, 100%
XYZ	63.5888, 45.9549, 100.1264
YIQ	185.9340, 19.8430, 53.4030

Conversions

Conversions Part 2

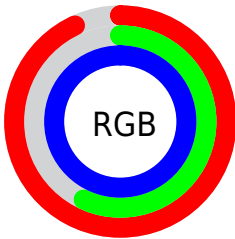
Format	Color
R_{YB}	238, 146, 255
Decimal	15635199
CIE _{Lab}	73.52, 51.46, -40.15
CIE _{LCh}	74, 65.269, 322.038
Yxy	45.9549, 0.3033, 0.2192
Android (android.graphics.Color)	4293825279 (0xFFEE92FF)
YUV	185.9340, 34.0495, 45.6619
Hunter-Lab	67.7900, 48.8050, -40.1187

Details

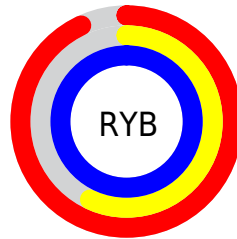
The XYZ color **63.5888, 45.9549, 100.1264** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.0536, 81.3823, 39.9502**, and the grayscale version is **46.4443, 48.8630, 53.2118**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **32.8426, 21.4348, 55.8324** is the 20% darker color. If you saturate the color by 10%, you get **58.7674, 38.2715, 98.8975**, and if you desaturate by 10%, it is **69.3192, 55.4105, 101.6495**.

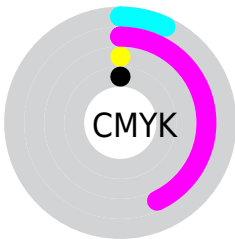
Distribution



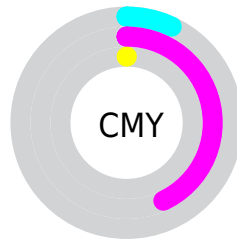
- Red (93%)
- Green (57%)
- Blue (100%)



- Red (93%)
- Yellow (57%)
- Blue (100%)



- Cyan (7%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5888, 45.9549, 100.1264 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 63.5888, 45.9549, 100.1264 by changing the saturation by 10% instead.


 63.5888, 45.9549,
100.1264


 63.5888, 45.9549,
100.1264


427.3290,
370.6273, 581.8480

 46.5781, 32.2102,
75.7886


 109.0956, 84.1515,
163.3843

 32.9088, 21.5221,
55.7536


 138.3224,
109.3722, 203.1414

 22.2155, 13.5062,
39.6027


172.3520,
139.1871, 248.8755

 14.1328, 7.7780,
26.9175

211.5497,
173.9805, 301.0050

 8.2954, 3.9532,
17.2794

256.2809,
214.1368, 359.9484

 4.3380, 1.6474,
10.2698

306.9110,

 1.8950, 0.3893,

260.0405, 426.1244

5.4703

363.8052,
312.0758, 499.9514

■ 0.5740, 0.0000,
2.4622

■ 0.0000, 0.0000,
0.8200

■ 63.5888, 45.9549,
100.1264

■ 63.5888, 45.9549,
100.1264

■ 58.7674, 38.2715,
98.8975

■ 69.3192, 55.4105,
101.6495

■ 54.7914, 32.2364,
97.9422

■ 76.0079, 66.7396,
103.4837

■ 51.5959, 27.7190,
97.2386

■ 83.7057, 80.0427,
105.6458

■ 49.1042, 24.5664,
96.7614

■ 92.4588, 95.4116,
108.1509

■ 47.2234, 22.5928, 95.0500, 100.0000,
96.4796 108.9000

■ 46.1426, 21.7023,
96.3647

Harmonies

Analogous

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



52.5347, 45.9549, 134.9601



63.5888, 45.9549, 100.1264



69.5137, 45.9549, 59.3559

Triad

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



63.5888, 45.9549, 100.1264



46.8217, 45.9549, 9.8228



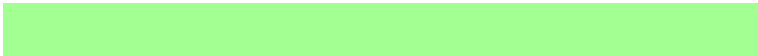
26.1857, 45.9549, 77.8354

Complementary

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



63.5888, 45.9549, 100.1264



56.0536, 81.3823, 39.9502

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.



25.1989, 45.9549, 41.7485



63.5888, 45.9549, 100.1264



35.8786, 45.9549, 11.2464

Square

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



63.5888, 45.9549, 100.1264



58.7819, 45.9549, 14.8204



28.4300, 45.9549, 20.2647



31.4132, 45.9549, 118.6281

Rectangle

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



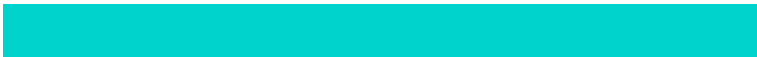
63.5888, 45.9549, 100.1264



69.1413, 45.9549, 37.9312



28.4300, 45.9549, 20.2647



25.3891, 45.9549, 64.4782

Sweetspot

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



63.5903, 45.9568, 100.1267



83.4950, 79.6755, 105.5860



43.2110, 39.9436, 100.0402



17.4899, 16.3905, 22.4918



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.



63.5903, 45.9568, 100.1267



59.5454, 39.4889, 99.0915



64.2622, 46.9163, 72.4579



18.4980, 18.1485, 22.7780



24.2151, 11.3938, 50.3575



2.4294, 1.1463, 4.9065

Inverse Universe

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



58.1308, 44.4638, 40.1703



53.6960, 37.9661, 31.3798



56.0933, 81.0228, 57.1212



18.1248, 18.0332, 19.2746



21.7809, 11.2017, 2.2308



2.1526, 1.1034, 0.3850

Previews

White Background



This preview shows how the XYZ color 63.5888, 45.9549, 100.1264 looks on a white background.

Color Contrast Check

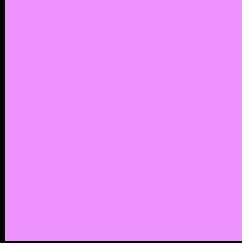
Large Text (above 18pt) WCAG AA × Fail

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 63.5888, 45.9549, 100.1264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

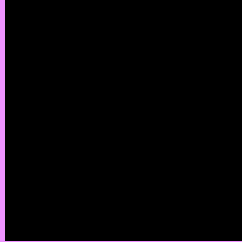
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5888, 45.9549, 100.1264

Background



This preview shows how black text looks on a background with the XYZ color 63.5888, 45.9549, 100.1264.



This preview shows how white text looks on a background with the XYZ color 63.5888, 45.9549,

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

63.5888, 45.9549, 100.1264

Protanopia

47.8804, 46.5281, 101.0650

Deuteranopia

47.5171, 46.4507, 96.0840



Tritanopia

52.6122, 45.6599, 47.1146

Trichromacy



Original Color

63.5888, 45.9549, 100.1264



Protanomaly

52.1184, 45.2965, 100.6039



Deuteranomaly

51.9703, 45.2938, 97.2702

Tritanomaly

56.0314, 45.5106, 63.5889

Monochromacy



Original Color

63.5888, 45.9549, 100.1264



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.4976, 46.8081, 67.9487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5888, 45.9549, 100.1264 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(238, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 146, 255)  
}
```

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(238, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.5888, 45.9549, 100.1264 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(238, 146, 255) }
```


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

```
.border{ border-color:rgb(238, 146, 255) }
```

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

Here you see how a box with a 4 pixel rgb(238, 146, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5888, 45.9549, 100.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 146, 255) }
```

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

```
.background{ background-color: rgb(238,  
146, 255) }
```

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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