

Converting Colors

XYZ(63.3452, 49.6524, 89.4504)

Have a look what the booklet for
XYZ(63.3452, 49.6524, 89.4504)
contains.

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Color

**XYZ(63.5471, 49.8451,
89.4909)**

Conversions

Conversions Part 1

Format	Color
Hex	EDA1F1
RGB	237, 161, 241
RGB Percent	93%, 63%, 95%
CMY	0.0706, 0.3686, 0.0549
CMYK	0.02, 0.33, 0.00, 0.05
HSL	297°, 74%, 79%
HSV	297°, 33%, 95%
XYZ	63.5471, 49.8451, 89.4909
YIQ	192.8440, 19.6160, 40.9920

Conversions

Conversions Part 2

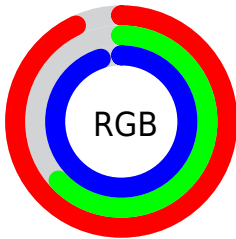
Format	Color
R _Y B	237, 161, 241
Decimal	15573489
CIE Lab	75.97, 40.77, -28.77
CIE LCh	76, 49.896, 324.793
Yxy	49.8451, 0.3132, 0.2457
Android (android.graphics.Color)	4293763569 (0xFFEDA1F1)
YUV	192.8440, 23.7409, 38.7248
Hunter-Lab	70.6011, 37.1137, -25.7327

Details

The XYZ color **63.5471, 49.8451, 89.4909** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.4070, 73.4844, 45.0896**, and the grayscale version is **50.4553, 53.0829, 57.8073**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **32.9419, 23.9312, 48.7819** is the 20% darker color. If you saturate the color by 10%, you get **59.3341, 42.0134, 88.2020**, and if you desaturate by 10%, it is **68.5776, 59.3058, 91.0526**.

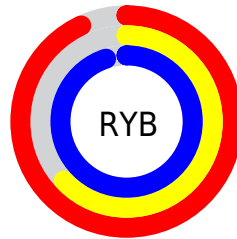
Distribution



Red (93%)

Green (63%)

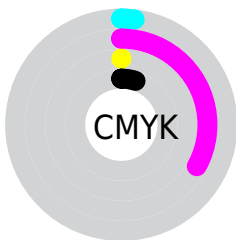
Blue (95%)



Red (93%)

Yellow (63%)

Blue (95%)

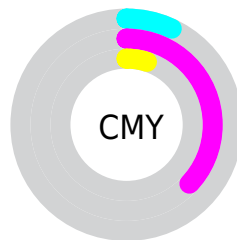


Cyan (2%)

Magenta (33%)

Yellow (0%)

Black (5%)



Cyan (7%)

Magenta (37%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5471, 49.8451, 89.4909 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 63.5471, 49.8451, 89.4909 by changing the saturation by 10% instead.


 63.5471, 49.8451,
89.4909


 63.5471, 49.8451,
89.4909


427.1805,
386.0599, 546.9007

 46.5443, 35.2903,
66.9871


 109.0358, 89.9453,
148.5604

 32.8820, 23.8866,
48.6126

 138.2524,
116.2596, 185.9632

 22.1948, 15.2495,
33.9489


172.2709,
147.2624, 229.1694

 14.1175, 8.9947,
22.5773

211.4568,
183.3383, 278.5975

 8.2847, 4.7377,
14.0793

256.1753,
224.8716, 334.6662

 4.3310, 2.0942,
8.0365

306.7919,

 1.8910, 0.6614,

272.2467, 397.7939

4.0302

363.6718,
325.8480, 468.3993

■ 0.5716, 0.0000,
1.6419

■ 0.0000, 0.0000,
0.3205

■ 63.5471, 49.8451,
89.4909

■ 63.5471, 49.8451,
89.4909

■ 59.3341, 42.0134,
88.2020

■ 68.5776, 59.3058,
91.0526

■ 55.8871, 35.7105,
87.1671

■ 74.4639, 70.4751,
92.8982

■ 53.1560, 30.8355,
86.3701

■ 81.2475, 83.4352,
95.0422

■ 51.0829, 27.2726,
85.7916

■ 88.1939, 96.7165,
97.2397

49.6009, 24.8879,
85.4094

88.6084, 96.9302,
97.2591

48.6288, 23.5190,
85.1965

89.0257, 97.1453,
97.2786

48.1752, 23.0011,
85.1204

89.4457, 97.3619,
97.2983

89.8685, 97.5798,
97.3181

90.2939, 97.7991,
97.3380

Harmonies

Analogous

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



55.2806, 49.8451, 115.3318



63.5471, 49.8451, 89.4909



67.5170, 49.8451, 59.0560

Triad

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



63.5471, 49.8451, 89.4909



49.0182, 49.8451, 17.5705



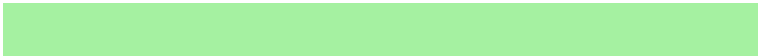
32.9216, 49.8451, 78.7158

Complementary

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



63.5471, 49.8451, 89.4909



53.4070, 73.4844, 45.0896

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.



31.7013, 49.8451, 49.7552



63.5471, 49.8451, 89.4909



40.2638, 49.8451, 19.7842

Square

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



63.5471, 49.8451, 89.4909



58.4559, 49.8451, 22.2527



34.2116, 49.8451, 29.7708



37.7934, 49.8451, 107.8167

Rectangle

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



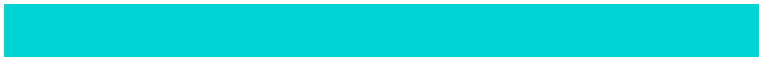
63.5471, 49.8451, 89.4909



66.8617, 49.8451, 42.2147



34.2116, 49.8451, 29.7708



32.1001, 49.8451, 68.4329

Sweetspot

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



63.5487, 49.8473, 89.4920



86.9804, 84.5547, 106.3441



44.0323, 40.8406, 88.7821



18.3927, 17.6696, 22.6911



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.



63.5487, 49.8473, 89.4920



68.8300, 50.3081, 100.6904



60.0415, 48.6004, 63.9757



16.3716, 15.9888, 19.9449



26.1594, 12.4911, 46.1601



2.2000, 1.0514, 3.8412

Inverse Universe

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



55.8137, 46.9093, 41.7121



58.8113, 46.5145, 38.2711



56.2330, 74.5201, 64.2453



15.8048, 15.7716, 16.5285



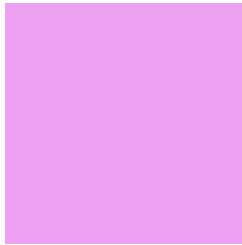
19.7218, 10.1611, 1.1854



1.6518, 0.8498, 0.1575

Previews

White Background



This preview shows how the XYZ color 63.5471, 49.8451, 89.4909 looks on a white background.

Color Contrast Check

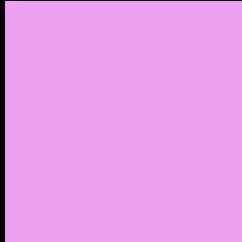
Large Text (above 18pt) WCAG AA × Fail

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 63.5471, 49.8451, 89.4909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

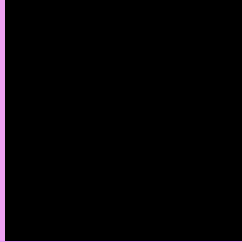
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5471, 49.8451, 89.4909

Background



This preview shows how black text looks on a background with the XYZ color 63.5471, 49.8451, 89.4909.



This preview shows how white text looks on a background with the XYZ color 63.5471, 49.8451,

89.4909.

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

63.5471, 49.8451, 89.4909

Protanopia

51.3353, 50.1334, 101.5788

Deuteranopia

51.2489, 50.0987, 87.0897



Tritanopia

55.8226, 49.6658, 52.5432

Trichromacy



Original Color

63.5471, 49.8451, 89.4909



Protanomaly

54.5189, 49.1593, 97.0577



Deuteranomaly

55.0453, 49.6412, 87.5694



Tritanomaly

58.3008, 49.5688, 64.2526

Monochromacy



Original Color

63.5471, 49.8451, 89.4909



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.4512, 51.2562, 67.9963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5471, 49.8451, 89.4909 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(237, 161, 241)` looks like.

```
.text, #text, p{  
    color:rgb(237, 161, 241)  
}
```

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(237, 161, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 161, 241) }
```

Border

The CSS property to change the border of an element to XYZ 63.5471, 49.8451, 89.4909 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(237, 161, 241) }
```


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

```
.border{ border-color:rgb(237, 161, 241) }
```

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

Here you see how a box with a 4 pixel rgb(237, 161, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 161, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 161, 241);  
box-shadow:4px 4px 4px 4px rgb(237, 161,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5471, 49.8451, 89.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 161, 241) }
```

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

```
.background{ background-color: rgb(237,  
161, 241) }
```

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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