

Converting Colors

XYZ(64.2951, 49.8206, 88.4267)

Have a look what the booklet for
XYZ(64.2951, 49.8206, 88.4267)
contains.

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Color

**XYZ(64.4019, 49.7883,
88.6538)**

Conversions

Conversions Part 1

Format	Color
Hex	F19FF0
RGB	241, 159, 240
RGB Percent	95%, 62%, 94%
CMY	0.0549, 0.3764, 0.0588
CMYK	0.00, 0.34, 0.00, 0.05
HSL	301°, 75%, 78%
HSV	301°, 34%, 95%
XYZ	64.4019, 49.7883, 88.6538
YIQ	192.7520, 22.8710, 42.5750

Conversions

Conversions Part 2

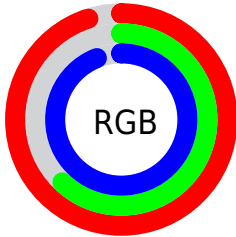
Format	Color
R_{YB}	241, 159, 240
Decimal	15835120
CIE _{Lab}	75.94, 42.87, -28.24
CIE _{LCh}	76, 51.337, 326.626
Yxy	49.7883, 0.3175, 0.2455
Android (android.graphics.Color)	4294025200 (0xFFFF19FF0)
YUV	192.7520, 23.2933, 42.3135
Hunter-Lab	70.5608, 39.4381, -25.1004

Details

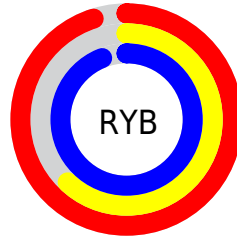
The XYZ color **64.4019, 49.7883, 88.6538** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.1006, 72.8212, 44.5704**, and the grayscale version is **50.4027, 53.0275, 57.7470**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.5729, 23.9591, 48.2025** is the 20% darker color. If you saturate the color by 10%, you get **60.6115, 42.2764, 87.1755**, and if you desaturate by 10%, it is **69.0034, 58.9204, 90.4039**.

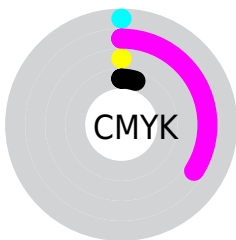
Distribution



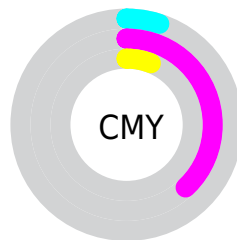
- Red (95%)
- Green (62%)
- Blue (94%)



- Red (95%)
- Yellow (62%)
- Blue (94%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (38%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4019, 49.7883, 88.6538 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 64.4019, 49.7883, 88.6538 by changing the saturation by 10% instead.


 64.4019, 49.7883,
88.6538


 64.4019, 49.7883,
88.6538


430.2188,
385.8375, 544.0986

 47.2392, 35.2452,
66.2973

 110.2600, 89.8611,
147.3862

 33.4335, 23.8518,
48.0557


 139.6862,
116.1597, 184.5991

 22.6196, 15.2237,
33.5107

173.9308,
147.1455, 227.6012

 14.4320, 8.9766,
22.2437

213.3592,
183.2030, 276.8110

 8.5054, 4.7259,
13.8360

258.3369,
224.7165, 332.6472

 4.4745, 2.0874,
7.8693

309.2292,

 1.9739, 0.6575,

272.0705, 395.5281

3.9248

366.4013,
325.6494, 465.8724

■ 0.6193, 0.0000,
1.5842

■ 0.0000, 0.0000,
0.2795

■ 64.4019, 49.7883,
88.6538

■ 64.4019, 49.7883,
88.6538

■ 60.6115, 42.2764,
87.1755

■ 69.0034, 58.9204,
90.4039

■ 57.5804, 36.2838,
85.9501

■ 74.4547, 69.7528,
92.4371

■ 55.2580, 31.7088,
84.9613

■ 80.7975, 82.3681,
94.7677

■ 53.5859, 28.4341,
84.1895

■ 87.9398, 96.5825,
97.3653

■ 52.4962, 26.3240,
83.6123

■ 87.9838, 96.6001,
97.5971

■ 51.9060, 25.2130,
83.2020

■ 88.0279, 96.6177,
97.8293

■ 51.7176, 24.8776,
83.0117

■ 88.0721, 96.6354,
98.0618

■ 88.1163, 96.6531,
98.2948

■ 88.1606, 96.6708,
98.5281

Harmonies

Analogous

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



56.0522, 49.7883, 116.2432



64.4019, 49.7883, 88.6538



68.1579, 49.7883, 57.3705

Triad

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



64.4019, 49.7883, 88.6538



48.4130, 49.7883, 16.7988



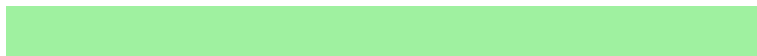
32.7121, 49.7883, 81.4076

Complementary

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



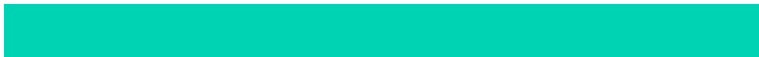
64.4019, 49.7883, 88.6538



52.1006, 72.8212, 44.5704

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.



31.2350, 49.7883, 51.1697



64.4019, 49.7883, 88.6538



39.5494, 49.7883, 19.4424

Square

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



64.4019, 49.7883, 88.6538



58.1774, 49.7883, 21.0496



33.5656, 49.7883, 30.0922



37.9091, 49.7883, 111.1641

Rectangle

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



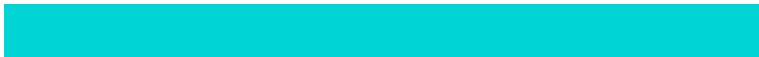
64.4019, 49.7883, 88.6538



67.2223, 49.7883, 40.4943



33.5656, 49.7883, 30.0922



31.7971, 49.7883, 70.7206

Sweetspot

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



64.4035, 49.7905, 88.6549



87.3978, 84.7757, 106.1023



42.5756, 38.5206, 88.4115



18.4945, 17.7235, 22.6321



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.



64.4035, 49.7905, 88.6549



70.0635, 50.3547, 99.5612



59.1009, 47.6695, 60.7319



16.4455, 16.0279, 19.9021



28.0489, 13.4920, 45.0356



2.3361, 1.1235, 3.7606

Inverse Universe

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



64.4035, 49.7905, 88.6549



70.0635, 50.3547, 99.5612



56.1806, 74.4532, 66.0556



16.4455, 16.0279, 19.9021



28.0489, 13.4920, 45.0356



2.3361, 1.1235, 3.7606

Previews

White Background



This preview shows how the XYZ color 64.4019, 49.7883, 88.6538 looks on a white background.

Color Contrast Check

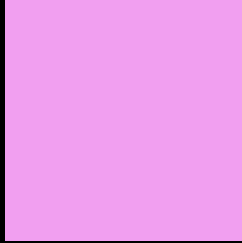
Large Text (above 18pt) WCAG AA × Fail

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 64.4019, 49.7883, 88.6538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

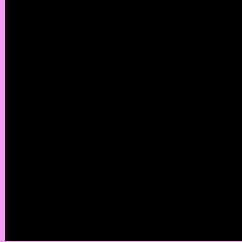
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4019, 49.7883, 88.6538

Background



This preview shows how black text looks on a background with the XYZ color 64.4019, 49.7883, 88.6538.



This preview shows how white text looks on a background with the XYZ color 64.4019, 49.7883,

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

64.4019, 49.7883, 88.6538

Protanopia

51.3353, 50.1334, 101.5788

Deuteranopia

51.1919, 50.1029, 85.5700



Tritanopia

56.8537, 49.6608, 51.3887

Trichromacy



Original Color

64.4019, 49.7883, 88.6538



Protanomaly

55.0288, 49.4221, 97.0816



Deuteranomaly

55.2446, 49.4709, 86.7579



Tritanomaly

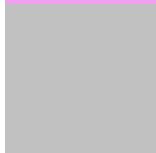
59.4604, 49.6366, 63.5737

Monochromacy



Original Color

64.4019, 49.7883, 88.6538



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.7351, 51.4025, 68.0096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4019, 49.7883, 88.6538 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(241, 159, 240)` looks like.

```
.text, #text, p{  
    color:rgb(241, 159, 240)  
}
```

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(241, 159, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 159, 240) }
```

Border

The CSS property to change the border of an element to XYZ 64.4019, 49.7883, 88.6538 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(241, 159, 240) }
```


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

```
.border{ border-color:rgb(241, 159, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 159, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 159, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 159, 240);  
box-shadow:4px 4px 4px 4px rgb(241, 159,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4019, 49.7883, 88.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 159, 240) }
```

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

```
.background{ background-color: rgb(241,  
159, 240) }
```

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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