

Converting Colors

XYZ(64.2177, 49.9714, 95.9443)

Have a look what the booklet for
XYZ(64.2177, 49.9714, 95.9443)
contains.

XYZ(64.1047, 49.9915, 95.8932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1047, 49.9915,
95.8932)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA1F9
RGB	235, 161, 249
RGB Percent	92%, 63%, 98%
CMY	0.0784, 0.3686, 0.0235
CMYK	0.06, 0.35, 0.00, 0.02
HSL	290°, 88%, 80%
HSV	290°, 35%, 98%
XYZ	64.1047, 49.9915, 95.8932
YIQ	193.1580, 15.8560, 43.0560

Conversions

Conversions Part 2

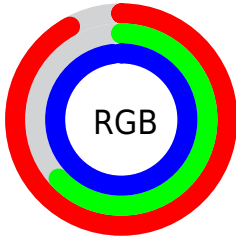
Format	Color
R _{YB}	235, 161, 249
Decimal	15442425
CIE _{Lab}	76.06, 41.66, -32.98
CIE _{LCh}	76, 53.129, 321.634
Y _{xy}	49.9915, 0.3053, 0.2381
Android (android.graphics.Color)	4293632505 (0xFFEBA1F9)
YUV	193.1580, 27.5301, 36.6954
Hunter-Lab	70.7047, 38.1046, -30.9188

Details

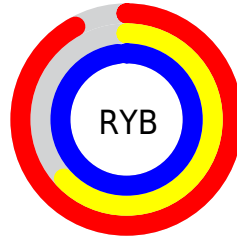
The XYZ color **64.1047, 49.9915, 95.8932** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.9897, 79.4398, 45.9977**, and the grayscale version is **50.6196, 53.2558, 57.9956**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **33.2371, 23.9959, 52.7491** is the 20% darker color. If you saturate the color by 10%, you get **58.8861, 41.4732, 94.5248**, and if you desaturate by 10%, it is **70.2222, 60.2619, 97.5539**.

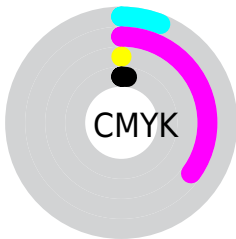
Distribution



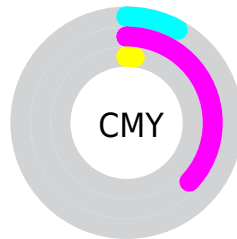
- Red (92%)
- Green (63%)
- Blue (98%)



- Red (92%)
- Yellow (63%)
- Blue (98%)



- Cyan (6%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (37%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1047, 49.9915, 95.8932 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 64.1047, 49.9915, 95.8932 by changing the saturation by 10% instead.

64.1047, 49.9915,
95.8932

64.1047, 49.9915,
95.8932

429.1639,
386.6327, 568.0777

46.9975, 35.4066,
72.2776

109.8346, 90.1623,
157.5042

33.2416, 23.9763,
52.8973

139.1880,
116.5170, 196.3367

22.4717, 15.3160,
37.3336

173.3541,
147.5638, 241.0786

14.3225, 9.0415,
25.1681

212.6984,
183.6871, 292.1484

8.4285, 4.7683,
15.9822

257.5862,
225.2712, 349.9647

4.4244, 2.1119,
9.3573

308.3828,

1.9449, 0.6713,

272.7006, 414.9460

4.8750

365.4535,
326.3596, 487.5108

■ 0.6027, 0.0000,
2.1166

■ 0.0000, 0.0000,
0.6257

■ 64.1047, 49.9915,
95.8932

■ 64.1047, 49.9915,
95.8932

■ 58.8861, 41.4732,
94.5248

■ 70.2222, 60.2619,
97.5539

■ 54.5094, 34.5971,
93.4282

■ 77.2811, 72.3728,
99.5195

■ 50.9189, 29.2507,
92.5855

■ 85.3273, 86.4145,
101.8057

■ 48.0500, 25.3048,
91.9751

■ 92.5876, 98.8405,
103.8215

■ 45.8269, 22.6088,
91.5719

■ 94.0286, 99.5833,
103.8890

■ 44.1567, 20.9765,
91.3449

■ 94.0990, 99.6196,
103.8923

■ 43.5033, 20.4515,
91.2780

Harmonies

Analogous

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



54.9044, 49.9915, 122.6866



64.1047, 49.9915, 95.8932



69.0085, 49.9915, 62.7785

Triad

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



64.1047, 49.9915, 95.8932



50.3467, 49.9915, 16.2871



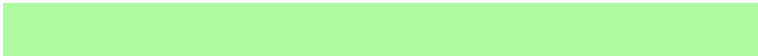
31.8913, 49.9915, 77.1717

Complementary

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



64.1047, 49.9915, 95.8932



57.9897, 79.4398, 45.9977

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.



31.0244, 49.9915, 46.8606



64.1047, 49.9915, 95.8932



40.8210, 49.9915, 17.7935

Square

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



64.1047, 49.9915, 95.8932



60.3727, 49.9915, 21.8404



34.0677, 49.9915, 27.0671



36.6269, 49.9915, 109.5170

Rectangle

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



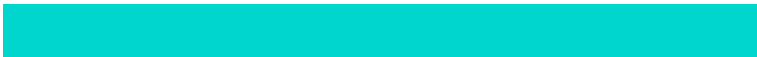
64.1047, 49.9915, 95.8932



68.7665, 49.9915, 44.1376



34.0677, 49.9915, 27.0671



31.1669, 49.9915, 66.2148

Sweetspot

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



64.1064, 49.9937, 95.8943



85.1227, 82.5543, 106.0559



47.2590, 45.3391, 95.8838



17.9772, 17.2476, 22.6316



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.



64.1064, 49.9937, 95.8943



63.8712, 46.5389, 100.2243



64.6875, 50.7813, 73.8729



17.7059, 17.3766, 21.8061



23.3874, 10.9993, 48.8640



2.2364, 1.0550, 4.5289

Inverse Universe

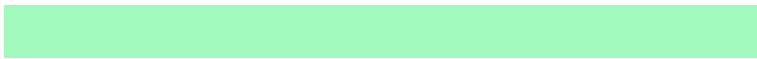
The Inverse Universe completely reimagines the original color for something new.



59.5513, 48.7268, 46.8262



58.6002, 45.1228, 41.1890



57.9061, 79.0620, 61.1171



17.3572, 17.2702, 18.4707



21.1465, 10.8743, 2.2141



1.9901, 1.0198, 0.3715

Previews

White Background



This preview shows how the XYZ color 64.1047, 49.9915, 95.8932 looks on a white background.

Color Contrast Check

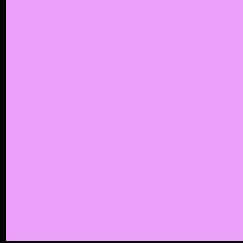
Large Text (above 18pt) WCAG AA × Fail

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 64.1047, 49.9915, 95.8932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

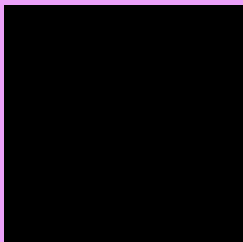
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1047, 49.9915, 95.8932

Background



This preview shows how black text looks on a background with the XYZ color 64.1047, 49.9915, 95.8932.



This preview shows how white text looks on a background with the XYZ color 64.1047, 49.9915,

95.8932.

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

64.1047, 49.9915, 95.8932

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.7349, 50.5206, 93.4109



Tritanopia

55.4697, 50.0287, 53.7466

Trichromacy



Original Color

64.1047, 49.9915, 95.8932



Protanomaly

55.1900, 49.7426, 99.6210



Deuteranomaly

55.1858, 49.5748, 93.8491



Tritanomaly

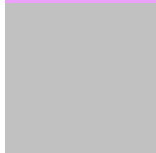
58.1339, 49.6871, 67.4993

Monochromacy



Original Color

64.1047, 49.9915, 95.8932



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.5465, 51.2617, 69.9704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1047, 49.9915, 95.8932 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(235, 161, 249)` looks like.

```
.text, #text, p{  
    color:rgb(235, 161, 249)  
}
```

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(235, 161, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 161, 249) }
```

Border

The CSS property to change the border of an element to XYZ 64.1047, 49.9915, 95.8932 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(235, 161, 249) }
```


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

```
.border{ border-color:rgb(235, 161, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 161, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 161, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 161, 249);  
box-shadow:4px 4px 4px 4px rgb(235, 161,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1047, 49.9915, 95.8932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 161, 249) }
```

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

```
.background{ background-color: rgb(235,  
161, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor