

Converting Colors

XYZ(64.5022, 49.5571, 96.1622)

Have a look what the booklet for
XYZ(64.5022, 49.5571, 96.1622)
contains.

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Color

**XYZ(64.4221, 49.6404,
95.8087)**

Conversions

Conversions Part 1	
Format	Color
Hex	ED9FF9
RGB	237, 159, 249
RGB Percent	93%, 62%, 98%
CMY	0.0706, 0.3764, 0.0235
CMYK	0.05, 0.36, 0.00, 0.02
HSL	292°, 88%, 80%
HSV	292°, 36%, 98%
XYZ	64.4221, 49.6404, 95.8087
YIQ	192.5820, 17.5980, 44.5260

Conversions

Conversions Part 2

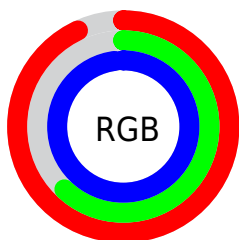
Format	Color
RYB	237, 159, 249
Decimal	15572985
CIELab	75.85, 43.31, -33.29
CIELCh	76, 54.627, 322.450
Yxy	49.6404, 0.3070, 0.2365
Android (android.graphics.Color)	4293763065 (0xFFED9FF9)
YUV	192.5820, 27.8141, 38.9546
Hunter-Lab	70.4559, 39.9154, -31.3057

Details

The XYZ color **64.4221, 49.6404, 95.8087** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.9300, 78.9138, 45.0346**, and the grayscale version is **50.2798, 52.8982, 57.6062**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.4909, 23.8171, 52.7012** is the 20% darker color. If you saturate the color by 10%, you get **59.4660, 41.3575, 94.4719**, and if you desaturate by 10%, it is **70.2644, 59.6629, 97.4361**.

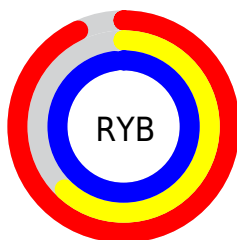
Distribution



Red (93%)

Green (62%)

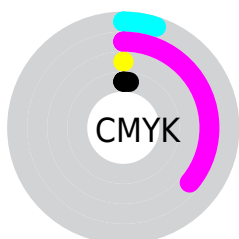
Blue (98%)



Red (93%)

Yellow (62%)

Blue (98%)

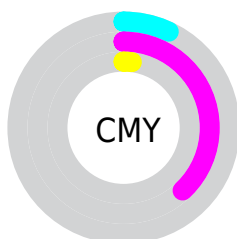


Cyan (5%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (7%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4221, 49.6404, 95.8087 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 64.4221, 49.6404, 95.8087 by changing the saturation by 10% instead.


 64.4221, 49.6404,
95.8087


 64.4221, 49.6404,
95.8087


430.2904,
385.2580, 567.8011

 47.2556, 35.1278,
72.2076

 110.2889, 89.6418,
157.3866

 33.4465, 23.7613,
52.8404


 139.7200,
115.8994, 196.2004

 22.6296, 15.1566,
37.2886


173.9699,
146.8408, 240.9223

 14.4394, 8.9294,
25.1334

213.4041,
182.8503, 291.9708

 8.5107, 4.6952,
15.9566

258.3879,
224.3124, 349.7644

 4.4780, 2.0695,
9.3394


309.2867,


 1.9759, 0.6474,


271.6115, 414.7216


4.8634


366.4657,
325.1319, 487.2609


 0.6204, 0.0000,
2.1100


 0.0000, 0.0000,
0.6217


 64.4221, 49.6404,
95.8087


 64.4221, 49.6404,
95.8087


 59.4660, 41.3575,
94.4719


 70.2644, 59.6629,
97.4361


 55.3390, 34.7037,
93.4051

 77.0358, 71.5142,
99.3667

 51.9849, 29.5654,
92.5901

 84.7823, 85.2849,
101.6164

 49.3383, 25.8123,
92.0051

 92.3843, 98.7357,
103.8120

■ 47.3227, 23.2912,
91.6248

■ 93.5864, 99.3553,
103.8683

■ 45.8430, 21.8124,
91.4173

■ 94.0990, 99.6196,
103.8923

■ 45.3594, 21.4084,
91.3648

Harmonies

Analogous

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



55.0402, 49.6404, 123.9789



64.4221, 49.6404, 95.8087



69.3126, 49.6404, 61.7371

Triad

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



64.4221, 49.6404, 95.8087



49.7946, 49.6404, 15.4004



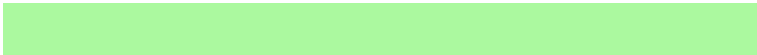
31.3351, 49.6404, 78.3481

Complementary

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



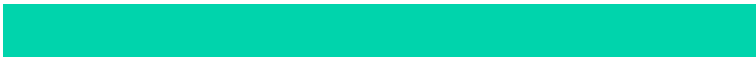
64.4221, 49.6404, 95.8087



56.9300, 78.9138, 45.0346

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.



30.3477, 49.6404, 47.0289



64.4221, 49.6404, 95.8087



40.1093, 49.6404, 17.0840

Square

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



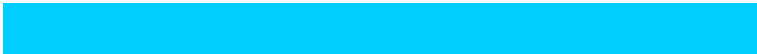
64.4221, 49.6404, 95.8087



60.1139, 49.6404, 20.7260



33.3293, 49.6404, 26.6249



36.2515, 49.6404, 111.6311

Rectangle

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



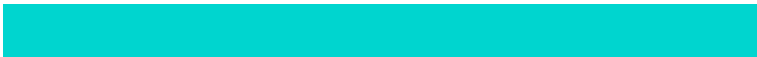
64.4221, 49.6404, 95.8087



68.9385, 49.6404, 42.8653



33.3293, 49.6404, 26.6249



30.5643, 49.6404, 67.0283

Sweetspot

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



64.4237, 49.6425, 95.8098



85.3828, 82.6884, 106.0680



45.9620, 43.3387, 95.5660



18.0396, 17.2797, 22.6345



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.



64.4237, 49.6425, 95.8098



64.2934, 46.1698, 100.1308



63.8613, 49.8960, 71.2325



17.7521, 17.4003, 21.8083



24.3680, 11.5048, 48.9099



2.3180, 1.0971, 4.5328

Inverse Universe

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



58.8174, 47.8784, 44.6717



57.7615, 44.1549, 38.7222



57.6899, 78.9293, 62.0656



17.3388, 17.2629, 18.3739



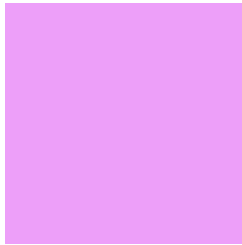
21.0891, 10.8514, 1.9117



1.9815, 1.0163, 0.3261

Previews

White Background



This preview shows how the XYZ color 64.4221, 49.6404, 95.8087 looks on a white background.

Color Contrast Check

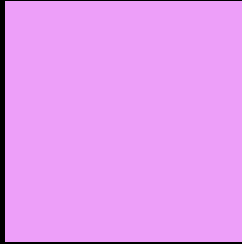
Large Text (above 18pt) WCAG AA × Fail

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 64.4221, 49.6404, 95.8087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

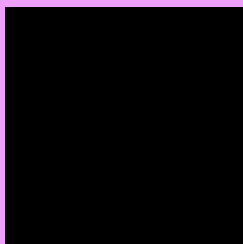
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4221, 49.6404, 95.8087

Background



This preview shows how black text looks on a background with the XYZ color 64.4221, 49.6404, 95.8087.



This preview shows how white text looks on a background with the XYZ color 64.4221, 49.6404,

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

64.4221, 49.6404, 95.8087

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.1488, 49.9266, 92.5289




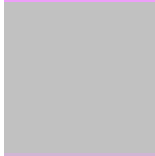

Tritanopia

55.5044, 49.5018, 52.5283

Trichromacy

	Original Color 64.4221, 49.6404, 95.8087
	Protanomaly 54.9932, 49.3490, 99.5554
	Deuteranomaly 55.2532, 49.3195, 93.7962
	Tritanomaly 58.1589, 49.1804, 66.1020

Monochromacy

	Original Color 64.4221, 49.6404, 95.8087
	Achromatopsia 50.6879, 53.3276, 58.0738
	Achromatomaly 54.8286, 51.4072, 69.9836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4221, 49.6404, 95.8087 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, 159, 249) looks like.

```
.text, #text, p{  
    color:rgb(237, 159, 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(237, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 159, 249) }
```

Border

The CSS property to change the border of an element to XYZ 64.4221, 49.6404, 95.8087 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, 159, 249) }
```


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

```
.border{ border-color:rgb(237, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 159,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4221, 49.6404, 95.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 159, 249) }
```

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

```
.background{ background-color: rgb(237,  
159, 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](#).

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