

Converting Colors

XYZ(77.0334, 54.9712,
169.4751)

Have a look what the booklet for
XYZ(77.0334, 54.9712, 169.4751)
contains.

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Color

**XYZ(64.0736, 49.8655,
100.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A1FF
RGB	232, 161, 255
RGB Percent	91%, 63%, 100%
CMY	0.0902, 0.3686, 0.0000
CMYK	0.09, 0.37, 0.00, 0.00
HSL	285°, 100%, 82%
HSV	285°, 37%, 100%
XYZ	64.0736, 49.8655, 100.8557
YIQ	192.9450, 12.1420, 44.2860

Conversions

Conversions Part 2

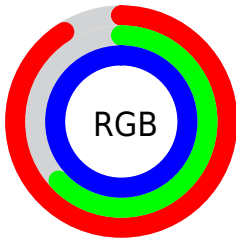
Format	Color
R _Y B	232, 161, 255
Decimal	15245823
CIE Lab	75.99, 41.92, -36.36
CIE LCh	76, 55.492, 319.061
Yxy	49.8655, 0.2983, 0.2322
Android (android.graphics.Color)	4293435903 (0xFFE8A1FF)
YUV	192.9450, 30.5931, 34.2512
Hunter-Lab	70.6155, 38.3864, -35.2493

Details

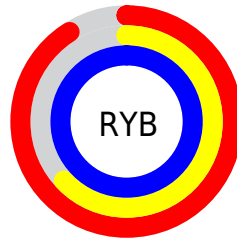
The XYZ color **64.0736, 49.8655, 100.8557** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.9612, 84.2840, 46.7231**, and the grayscale version is **50.4787, 53.1075, 57.8340**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **33.2348, 23.9163, 56.2907** is the 20% darker color. If you saturate the color by 10%, you get **58.0744, 40.8196, 99.4259**, and if you desaturate by 10%, it is **71.0564, 60.7698, 102.5924**.

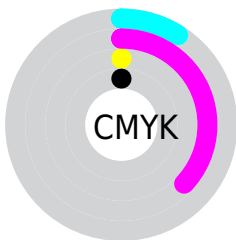
Distribution



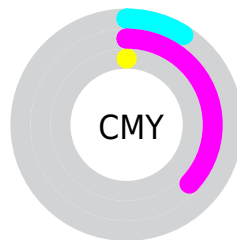
- Red (91%)
- Green (63%)
- Blue (100%)



- Red (91%)
- Yellow (63%)
- Blue (100%)



- Cyan (9%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0736, 49.8655, 100.8557 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 64.0736, 49.8655, 100.8557 by changing the saturation by 10% instead.


 64.0736, 49.8655,
100.8557


 64.0736, 49.8655,
100.8557


429.0534,
386.1397, 584.2027

 46.9722, 35.3065,
76.3945


 109.7901, 89.9756,
164.3947

 33.2215, 23.8991,
56.2475


 139.1358,
116.2955, 204.3096

 22.4563, 15.2588,
39.9960


173.2938,
147.3045, 250.2129

 14.3110, 9.0012,
27.2217

212.6292,
183.3869, 302.5230

 8.4204, 4.7420,
17.5059

257.5076,
224.9273, 361.6585

 4.4192, 2.0967,
10.4301

308.2941,

 1.9419, 0.6628,

272.3100, 428.0379

5.5757

365.3543,
325.9193, 502.0798

■ 0.6010, 0.0000,
2.5243

■ 0.0000, 0.0000,
0.8530

■ 64.0736, 49.8655,
100.8557

■ 64.0736, 49.8655,
100.8557

■ 58.0744, 40.8196,
99.4259

■ 71.0564, 60.7698,
102.5924

■ 52.9978, 33.5144,
98.2834

■ 79.0698, 73.6285,
104.6520

■ 48.7830, 27.8281,
97.4080

■ 88.1632, 88.5382,
107.0506

■ 45.3592, 23.6204,
96.7762

95.0500, 100.0000,
108.9000

■ 42.6435, 20.7267,
96.3608

■ 40.5311, 18.9384,
96.1270

■ 39.9429, 18.5062,
96.0746

Harmonies

Analogous

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



54.1961, 49.8655, 127.9405



64.0736, 49.8655, 100.8557



69.7419, 49.8655, 65.8441

Triad

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



64.0736, 49.8655, 100.8557



51.2732, 49.8655, 15.3602



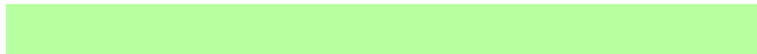
30.9651, 49.8655, 75.1149

Complementary

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



64.0736, 49.8655, 100.8557



61.9612, 84.2840, 46.7231

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.



30.4191, 49.8655, 44.1822



64.0736, 49.8655, 100.8557



41.1893, 49.8655, 16.2783

Square

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



64.0736, 49.8655, 100.8557



61.6676, 49.8655, 21.6194



33.8963, 49.8655, 24.8582



35.5153, 49.8655, 109.7291

Rectangle

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



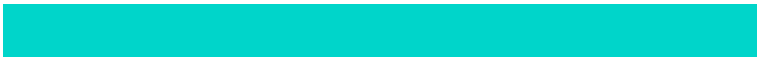
64.0736, 49.8655, 100.8557



69.8885, 49.8655, 45.8051



33.8963, 49.8655, 24.8582



30.3349, 49.8655, 63.7741

Sweetspot

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



64.0751, 49.8676, 100.8560



84.2654, 82.1123, 106.0157



49.9942, 49.2881, 101.4863



17.7718, 17.1417, 22.6220



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.



64.0751, 49.8676, 100.8560



59.6942, 43.2251, 99.8048



68.4804, 52.5493, 82.5067



18.3330, 18.0634, 22.7703



21.0131, 9.7431, 50.2077



2.1444, 0.9994, 4.8932

Inverse Universe

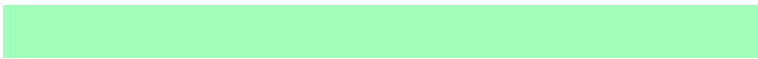
The Inverse Universe completely reimagines the original color for something new.



62.6377, 50.2122, 51.7393



58.3120, 43.7567, 43.5278



59.1635, 82.5794, 58.4458



18.1916, 18.0599, 19.6260



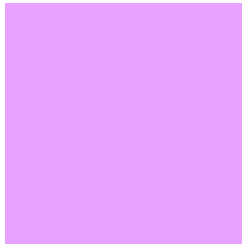
22.0577, 11.3124, 3.6884



2.1887, 1.1178, 0.5750

Previews

White Background



This preview shows how the XYZ color 64.0736, 49.8655, 100.8557 looks on a white background.

Color Contrast Check

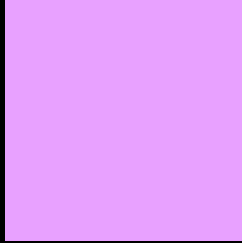
Large Text (above 18pt) WCAG AA × Fail

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 64.0736, 49.8655, 100.8557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

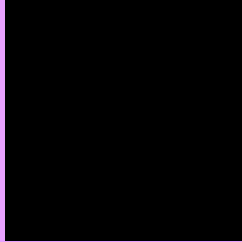
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0736, 49.8655, 100.8557

Background



This preview shows how black text looks on a background with the XYZ color 64.0736, 49.8655, 100.8557.



This preview shows how white text looks on a background with the XYZ color 64.0736, 49.8655,

100.8557.

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

64.0736, 49.8655, 100.8557

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.3989, 50.2580, 97.4342



Tritanopia

54.5313, 49.8204, 54.3191

Trichromacy



Original Color

64.0736, 49.8655, 100.8557



Protanomaly

54.8105, 49.2178, 101.2189



Deuteranomaly

55.0883, 49.4164, 98.7303

Tritanomaly

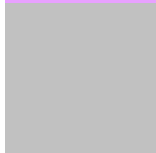
57.6224, 49.6717, 68.8379

Monochromacy



Original Color

64.0736, 49.8655, 100.8557



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.6507, 51.2710, 71.9816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0736, 49.8655, 100.8557 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(232, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 161, 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(232, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.0736, 49.8655, 100.8557 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(232, 161, 255) }
```


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

```
.border{ border-color:rgb(232, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0736, 49.8655, 100.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 161, 255) }
```

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

```
.background{ background-color: rgb(232,  
161, 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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