

Converting Colors

XYZ(64.9872, 48.3271,
100.5106)

Have a look what the booklet for
XYZ(64.9872, 48.3271, 100.5106)
contains.

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Color

**XYZ(65.0378, 48.3532,
100.5130)**

Conversions

Conversions Part 1

Format	Color
Hex	EF99FF
RGB	239, 153, 255
RGB Percent	94%, 60%, 100%
CMY	0.0627, 0.4000, 0.0000
CMYK	0.06, 0.40, 0.00, 0.00
HSL	291°, 100%, 80%
HSV	291°, 40%, 100%
XYZ	65.0378, 48.3532, 100.5130
YIQ	190.3420, 18.5140, 49.9540

Conversions

Conversions Part 2

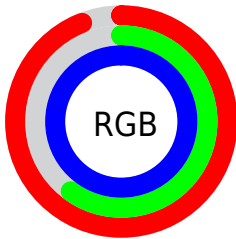
Format	Color
R_{YB}	239, 153, 255
Decimal	15702527
CIE _{Lab}	75.05, 48.16, -37.76
CIE _{LCh}	75, 61.196, 321.900
Yxy	48.3532, 0.3041, 0.2261
Android (android.graphics.Color)	4293892607 (0xFFEF99FF)
YUV	190.3420, 31.8764, 42.6731
Hunter-Lab	69.5365, 45.2631, -37.0265

Details

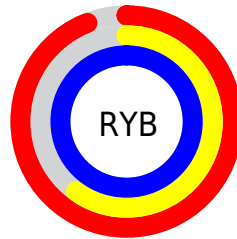
The XYZ color **65.0378, 48.3532, 100.5130** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.8731, 82.2555, 42.9659**, and the grayscale version is **48.9565, 51.5061, 56.0901**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.8063, 23.0153, 56.0867** is the 20% darker color. If you saturate the color by 10%, you get **59.9664, 40.1921, 99.2050**, and if you desaturate by 10%, it is **71.0338, 58.3172, 102.1202**.

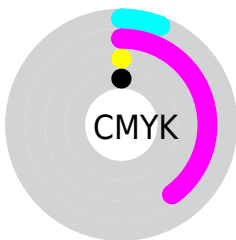
Distribution



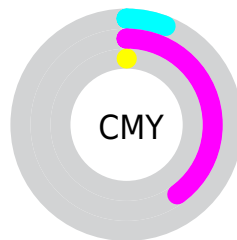
- Red (94%)
- Green (60%)
- Blue (100%)



- Red (94%)
- Yellow (60%)
- Blue (100%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0378, 48.3532, 100.5130 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 65.0378, 48.3532, 100.5130 by changing the saturation by 10% instead.


 65.0378, 48.3532,
100.5130


 65.0378, 48.3532,
100.5130


432.4709,
380.1904, 583.0969

 47.7565, 34.1067,
76.1098

 111.1696, 87.7301,
163.9200

 33.8446, 22.9756,
56.0153


 140.7509,
113.6292, 203.7609

 22.9365, 14.5755,
39.8111

175.1628,
144.1813, 249.5847

 14.6671, 8.5220,
27.0787

214.7709,
179.7708, 301.8099

 8.6709, 4.4307,
17.3993

259.9404,
220.7820, 360.8553

 4.5825, 1.9173,
10.3547

311.0366,

 2.0367, 0.5588,

267.5995, 427.1392

5.5261

368.4250,
320.6075, 501.0802

■ 0.6544, 0.0000,
2.4950

■ 0.0000, 0.0000,
0.8375

■ 65.0378, 48.3532,
100.5130

■ 65.0378, 48.3532,
100.5130

■ 59.9664, 40.1921,
99.2050

■ 71.0338, 58.3172,
102.1202

■ 55.7576, 33.7131,
98.1763

■ 78.0024, 70.1826,
104.0432

■ 52.3487, 28.7901,
97.4057

■ 85.9934, 84.0481,
106.2983

■ 49.6663, 25.2765,
96.8689

95.0500, 100.0000,
108.9000

■ 47.6228, 22.9976,
96.5367

■ 46.0753, 21.6677,
96.3616

■ 46.0750, 21.6674,
96.3615

Harmonies

Analogous

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



54.4526, 48.3532, 132.9333



65.0378, 48.3532, 100.5130



70.6982, 48.3532, 61.8098

Triad

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



65.0378, 48.3532, 100.5130



49.0547, 48.3532, 12.1900



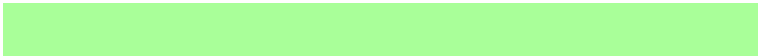
28.7572, 48.3532, 79.1150

Complementary

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



65.0378, 48.3532, 100.5130



57.8731, 82.2555, 42.9659

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.



27.7902, 48.3532, 44.4402



65.0378, 48.3532, 100.5130



38.3967, 48.3532, 13.6915

Square

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



65.0378, 48.3532, 100.5130



60.5416, 48.3532, 17.5392



31.0309, 48.3532, 23.0618



33.9277, 48.3532, 117.4861

Rectangle

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



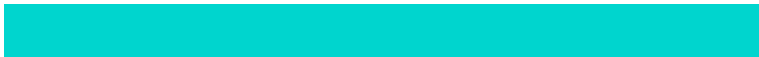
65.0378, 48.3532, 100.5130



70.3689, 48.3532, 40.9455



31.0309, 48.3532, 23.0618



27.9676, 48.3532, 66.3925

Sweetspot

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



65.0393, 48.3552, 100.5133



84.3094, 81.1076, 105.8195



45.5634, 42.7439, 100.4567



17.8154, 16.9593, 22.5844



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.



65.0393, 48.3552, 100.5133



60.9089, 41.6846, 99.4434



65.6835, 49.2647, 74.4550



18.4964, 18.1476, 22.7779



24.1802, 11.3759, 50.3559



2.4263, 1.1447, 4.9063

Inverse Universe

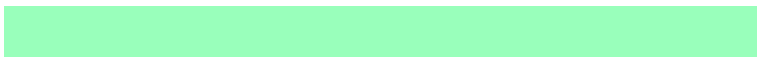
The Inverse Universe completely reimagines the original color for something new.



59.7939, 46.9089, 43.4407



55.2239, 40.1861, 34.4655



57.8679, 81.8808, 59.7703



18.1255, 18.0335, 19.2781



21.7831, 11.2025, 2.2424



2.1529, 1.1035, 0.3867

Previews

White Background



This preview shows how the XYZ color 65.0378, 48.3532, 100.5130 looks on a white background.

Color Contrast Check

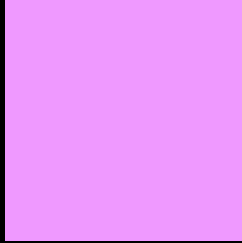
Large Text (above 18pt) WCAG AA × Fail

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 65.0378, 48.3532, 100.5130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

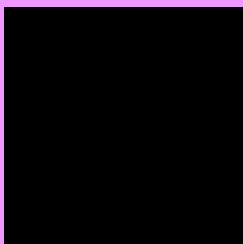
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0378, 48.3532, 100.5130

Background



This preview shows how black text looks on a background with the XYZ color 65.0378, 48.3532, 100.5130.



This preview shows how white text looks on a background with the XYZ color 65.0378, 48.3532,

100.5130.

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

65.0378, 48.3532, 100.5130

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.7632, 48.5109, 96.3633



Tritanopia

54.9446, 48.4113, 50.7044

Trichromacy



Original Color

65.0378, 48.3532, 100.5130



Protanomaly

54.0377, 47.6722, 100.9613



Deuteranomaly

53.9678, 47.4283, 97.5770

Tritanomaly

58.2101, 48.1215, 66.5420

Monochromacy



Original Color

65.0378, 48.3532, 100.5130



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

53.8722, 49.7092, 70.3738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0378, 48.3532, 100.5130 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(239, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 153, 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(239, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0378, 48.3532, 100.5130 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(239, 153, 255) }
```


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

```
.border{ border-color:rgb(239, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0378, 48.3532, 100.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 153, 255) }
```

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

```
.background{ background-color: rgb(239,  
153, 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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