

Converting Colors

XYZ(78.2651, 55.4976,
171.4250)

Have a look what the booklet for
XYZ(78.2651, 55.4976, 171.4250)
contains.

XYZ(64.8818, 50.0238, 100.8437)	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(64.8818, 50.0238,
100.8437)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA0FF
RGB	235, 160, 255
RGB Percent	92%, 63%, 100%
CMY	0.0784, 0.3725, 0.0000
CMYK	0.08, 0.37, 0.00, 0.00
HSL	287°, 100%, 81%
HSV	287°, 37%, 100%
XYZ	64.8818, 50.0238, 100.8437
YIQ	193.2550, 14.2050, 45.4450

Conversions

Conversions Part 2

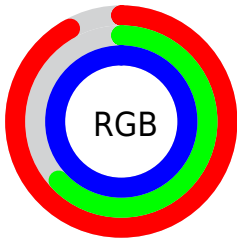
Format	Color
R _Y B	235, 160, 255
Decimal	15442175
CIE Lab	76.08, 43.34, -36.19
CIE LCh	76, 56.457, 320.137
Yxy	50.0238, 0.3007, 0.2319
Android (android.graphics.Color)	4293632255 (0xFFEBA0FF)
YUV	193.2550, 30.4403, 36.6104
Hunter-Lab	70.7275, 39.9736, -35.0268

Details

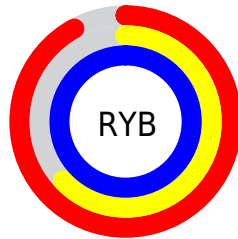
The XYZ color **64.8818, 50.0238, 100.8437** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.9287, 83.7619, 46.2164**, and the grayscale version is **50.6607, 53.2990, 58.0426**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **33.8108, 24.0576, 56.2876** is the 20% darker color. If you saturate the color by 10%, you get **59.1609, 41.1726, 99.4367**, and if you desaturate by 10%, it is **71.5658, 60.7197, 102.5559**.

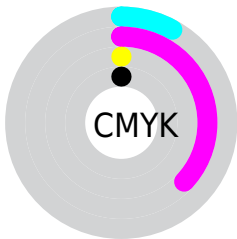
Distribution



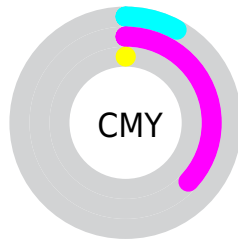
- Red (92%)
- Green (63%)
- Blue (100%)



- Red (92%)
- Yellow (63%)
- Blue (100%)



- Cyan (8%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8818, 50.0238, 100.8437 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 64.8818, 50.0238, 100.8437 by changing the saturation by 10% instead.


 64.8818, 50.0238,
100.8437


 64.8818, 50.0238,
100.8437


431.9190,
386.7590, 584.1640

 47.6296, 35.4323,
76.3845

 110.9466, 90.2101,
164.3781

 33.7437, 23.9961,
56.2393

 140.4898,
116.5738, 204.2904

 22.8587, 15.3307,
39.9896


174.8608,
147.6303, 250.1909

 14.6093, 9.0518,
27.2167

214.4249,
183.7640, 302.4980

 8.6302, 4.7750,
17.5021

259.5474,
225.3593, 361.6304

 4.5559, 2.1159,
10.4274

310.5936,

 2.0212, 0.6735,

272.8007, 428.0064

5.5740

367.9291,
326.4724, 502.0448

■ 0.6458, 0.0000,
2.5232

■ 0.0000, 0.0000,
0.8524

■ 64.8818, 50.0238,
100.8437

■ 64.8818, 50.0238,
100.8437

■ 59.1609, 41.1726,
99.4367

■ 71.5658, 60.7197,
102.5559

■ 54.3421, 34.0482,
98.3155

■ 79.2598, 73.3566,
104.5895

■ 50.3647, 28.5283,
97.4597

■ 88.0131, 88.0311,
106.9607

■ 47.1578, 24.4721,
96.8458

95.0500, 100.0000,
108.9000

■ 44.6381, 21.7138,
96.4462

■ 42.6984, 20.0396,
96.2253

■ 42.2232, 19.6817,
96.1813

Harmonies

Analogous

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



54.8787, 50.0238, 129.2618



64.8818, 50.0238, 100.8437



70.4673, 50.0238, 65.0386

Triad

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



64.8818, 50.0238, 100.8437



51.1067, 50.0238, 14.9343



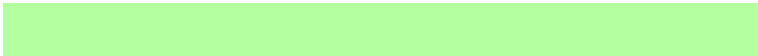
30.9281, 50.0238, 77.0207

Complementary

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



64.8818, 50.0238, 100.8437



60.9287, 83.7619, 46.2164

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.



30.2274, 50.0238, 45.1086



64.8818, 50.0238, 100.8437



40.8976, 50.0238, 16.1001

Square

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



64.8818, 50.0238, 100.8437



61.7719, 50.0238, 20.9326



33.6111, 50.0238, 25.0681



35.6915, 50.0238, 112.3504

Rectangle

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



64.8818, 50.0238, 100.8437



70.4453, 50.0238, 44.8669



33.6111, 50.0238, 25.0681



30.2399, 50.0238, 65.3481

Sweetspot

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



64.8833, 50.0259, 100.8440



84.6062, 82.2880, 106.0317



48.9883, 47.5742, 101.2085



17.8534, 17.1838, 22.6258



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.



64.8833, 50.0259, 100.8440



60.3691, 43.0122, 99.7281



67.8270, 52.0095, 79.9244



18.3963, 18.0960, 22.7732



22.1920, 10.3509, 50.2629



2.2500, 1.0538, 4.8981

Inverse Universe

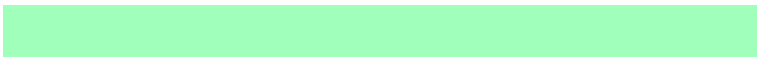
The Inverse Universe completely reimagines the original color for something new.



62.0502, 49.6987, 49.5040



57.3923, 42.7844, 40.5481



59.2193, 82.5785, 59.7870



18.1658, 18.0496, 19.4902



21.9362, 11.2638, 3.0488



2.1735, 1.1118, 0.4952

Previews

White Background



This preview shows how the XYZ color 64.8818, 50.0238, 100.8437 looks on a white background.

Color Contrast Check

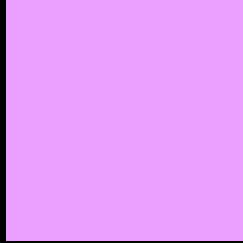
Large Text (above 18pt) WCAG AA × Fail

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 64.8818, 50.0238, 100.8437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

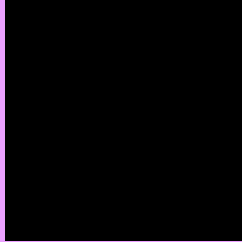
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8818, 50.0238, 100.8437

Background



This preview shows how black text looks on a background with the XYZ color 64.8818, 50.0238, 100.8437.



This preview shows how white text looks on a background with the XYZ color 64.8818, 50.0238,

100.8437.

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

64.8818, 50.0238, 100.8437

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.6175, 50.3707, 97.4445



Tritanopia

55.2645, 49.9105, 54.2979

Trichromacy



Original Color

64.8818, 50.0238, 100.8437



Protanomaly

55.5104, 49.8707, 101.3080



Deuteranomaly

55.6017, 49.6810, 98.7543

Tritanomaly

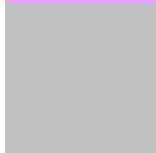
58.3847, 49.7874, 68.8201

Monochromacy



Original Color

64.8818, 50.0238, 100.8437



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.9310, 51.4155, 71.9948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8818, 50.0238, 100.8437 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, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 160, 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(235, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8818, 50.0238, 100.8437 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, 160, 255) }
```


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

```
.border{ border-color:rgb(235, 160, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 160, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8818, 50.0238, 100.8437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 160, 255) }
```

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

```
.background{ background-color: rgb(235,  
160, 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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