

Converting Colors

XYZ(50.8943, 31.0160, 83.4361)

Have a look what the booklet for
XYZ(50.8943, 31.0160, 83.4361)
contains.

| | |
|--|----|
| XYZ(50.7051, 30.8573, 83.4044) | 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(50.7051, 30.8573,
83.4044)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E162ED |
| RGB | 225, 98, 237 |
| RGB Percent | 88%, 38%, 93% |
| CMY | 0.1176, 0.6157, 0.0706 |
| CMYK | 0.05, 0.59, 0.00, 0.07 |
| HSL | 295°, 79%, 66% |
| HSV | 295°, 59%, 93% |
| XYZ | 50.7051, 30.8573, 83.4044 |
| YIQ | 151.8190, 31.0730, 70.1530 |

Conversions

Conversions Part 2

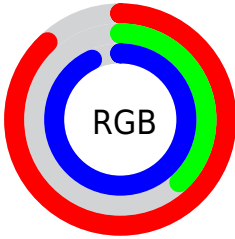
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 225, 98, 237 |
| Decimal | 14770925 |
| CIE Lab | 62.39, 67.64, -47.85 |
| CIE LCh | 62, 82.852, 324.727 |
| Yxy | 30.8573, 0.3074, 0.1871 |
| Android (android.graphics.Color) | 4292961005 (0xFFE162ED) |
| YUV | 151.8190, 41.9942, 64.1797 |
| Hunter-Lab | 55.5493, 65.7223, -50.1362 |

Details

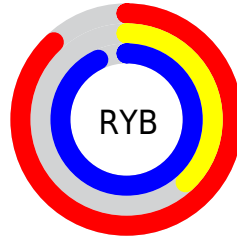
The XYZ color **50.7051, 30.8573, 83.4044** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **38.9201, 64.7659, 22.0063**, and the grayscale version is **29.5837, 31.1244, 33.8945**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **24.8054, 12.7725, 44.3380** is the 20% darker color. If you saturate the color by 10%, you get **48.1732, 26.7339, 82.7424**, and if you desaturate by 10%, it is **53.9032, 36.2999, 84.2868**.

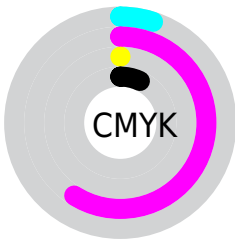
Distribution



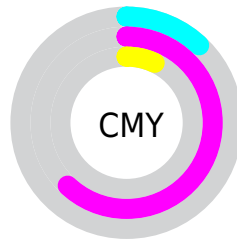
- Red (88%)
- Green (38%)
- Blue (93%)



- Red (88%)
- Yellow (38%)
- Blue (93%)



- Cyan (5%)
- Magenta (59%)
- Yellow (0%)
- Black (7%)





- Cyan (12%)
- Magenta (62%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7051, 30.8573, 83.4044 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 50.7051, 30.8573, 83.4044 by changing the saturation by 10% instead.


 50.7051, 30.8573,
83.4044


 50.7051, 30.8573,
83.4044


379.8235,
305.8804, 526.3396


 36.1941, 20.4902,
61.9813


 90.4043, 61.0153,
139.9960


 24.7549, 12.7519,
44.5819


 116.3232, 81.5751,
176.0016

 16.0223, 7.2579,
30.7877


 146.7754,
106.3011, 217.7050

 9.6309, 3.6239,
20.1801

 182.1262,
135.5779, 265.5249

 5.2153, 1.4655,
12.3407

222.7411,
169.7899, 319.8798

 2.4102, 0.2643,
6.8508

268.9854,

 0.8502, 0.0000,

209.3213, 381.1881

3.2919

321.2244,
254.5567, 449.8685

■ 0.0000, 0.0000,
1.2456

■ 0.0000, 0.0000,
0.0165

■ 50.7051, 30.8573,
83.4044

■ 50.7051, 30.8573,
83.4044

■ 48.1732, 26.7339,
82.7424

■ 53.9032, 36.2999,
84.2868

■ 46.2442, 23.8058,
82.2789


■ 57.8166, 43.1628,
85.4052


■ 44.8485, 21.9330,
81.9910


■ 62.4938, 51.5418,
86.7760


■ 43.8822, 20.9079,
81.8440


■ 67.9780, 61.5233,
88.4136


 43.7654, 20.7960,
81.8286

 74.3091, 73.1872,
90.3313

 81.5245, 86.6080,
92.5415

 86.7520, 96.0415,
94.0868

 87.4479, 96.4003,
94.1194

 88.1517, 96.7631,
94.1523

Harmonies

Analogous

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



39.3111, 30.8573, 126.7773



50.7051, 30.8573, 83.4044



56.4863, 30.8573, 39.6034

Triad

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



50.7051, 30.8573, 83.4044



31.3569, 30.8573, 1.9862



13.7724, 30.8573, 66.6392

Complementary

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



50.7051, 30.8573, 83.4044



38.9201, 64.7659, 22.0063

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.



12.6636, 30.8573, 28.2332



50.7051, 30.8573, 83.4044



21.1981, 30.8573, 2.9243

Square

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



50.7051, 30.8573, 83.4044



43.6360, 30.8573, 4.1875



15.0054, 30.8573, 9.0570



18.5505, 30.8573, 113.5050

Rectangle

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



50.7051, 30.8573, 83.4044



55.5358, 30.8573, 20.2113



15.0054, 30.8573, 9.0570



13.0196, 30.8573, 51.8812

Sweetspot

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



50.7063, 30.8587, 83.4051



80.6723, 73.3862, 104.5208



26.1074, 20.2787, 82.6594



16.8370, 14.9205, 22.2425



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.



50.7063, 30.8587, 83.4051



56.4655, 30.9118, 97.5983



47.6753, 30.0937, 47.2288



15.5791, 15.2438, 19.0435



23.9504, 11.3828, 44.6777



1.9185, 0.9133, 3.5100

Inverse Universe

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



42.1081, 27.8668, 17.9125



45.7868, 27.2692, 12.9546



41.1217, 65.4856, 40.8716



15.1183, 15.0752, 15.9080



19.1586, 9.8661, 1.3704



1.5226, 0.7820, 0.2034

Previews

White Background



This preview shows how the XYZ color 50.7051, 30.8573, 83.4044 looks on a white background.

Color Contrast Check

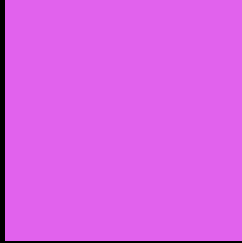
Large Text (above 18pt) WCAG AA × Fail

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 50.7051, 30.8573, 83.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

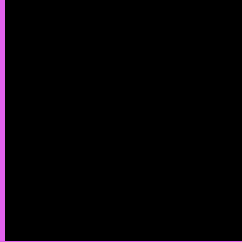
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7051, 30.8573, 83.4044

Background



This preview shows how black text looks on a background with the XYZ color 50.7051, 30.8573, 83.4044.



This preview shows how white text looks on a background with the XYZ color 50.7051, 30.8573,

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

50.7051, 30.8573, 83.4044

Protanopia

34.4656, 31.4031, 98.8526

Deuteranopia

31.9802, 31.0590, 77.7082



Tritanopia

38.9854, 30.6680, 26.7864

Trichromacy



Original Color

50.7051, 30.8573, 83.4044



Protanomaly

37.3203, 29.1321, 92.4630



Deuteranomaly

36.0577, 28.9707, 79.2928



Tritanomaly

42.3071, 30.2211, 42.6331

Monochromacy



Original Color

50.7051, 30.8573, 83.4044



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

35.3889, 29.5051, 48.6296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7051, 30.8573, 83.4044 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(225, 98, 237)` looks like.

```
.text, #text, p{  
    color:rgb(225, 98, 237)  
}
```

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(225, 98, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 98, 237) }
```

Border

The CSS property to change the border of an element to XYZ 50.7051, 30.8573, 83.4044 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(225, 98, 237) }
```


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

```
.border{ border-color:rgb(225, 98, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 98, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 98, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 98, 237);  
box-shadow:4px 4px 4px 4px rgb(225, 98,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7051, 30.8573, 83.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 98, 237) }
```

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

```
.background{ background-color: rgb(225, 98,  
237) }
```

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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