

Converting Colors

$Y_{xy}(31.8913, 0.3638, 0.2535)$

Have a look what the booklet for
Yxy(31.8913, 0.3638, 0.2535)
contains.

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Color

Yxy(31.8757, 0.3641, 0.2538)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E174B6 |
| RGB | 225, 116, 182 |
| RGB Percent | 88%, 45%, 71% |
| CMY | 0.1178, 0.5449, 0.2863 |
| CMYK | 0.00, 0.48, 0.19, 0.12 |
| HSL | 324°, 64%, 67% |
| HSV | 324°, 48%, 88% |
| XYZ | 45.7287, 31.8757, 47.9894 |
| YIQ | 156.1150, 43.7780, 43.6340 |

Conversions

Conversions Part 2

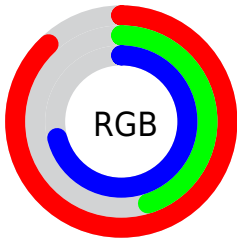
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 225, 116, 182 |
| Decimal | 14775478 |
| CIE Lab | 63.24, 50.24, -15.58 |
| CIE LCh | 63, 52.600, 342.767 |
| Yxy | 31.8757, 0.3641, 0.2538 |
| Android (android.graphics.Color) | 4292965558 (0xFFE174B6) |
| YUV | 156.1150, 12.7613, 60.4121 |
| Hunter-Lab | 56.4586, 45.7738, -10.8751 |

Details

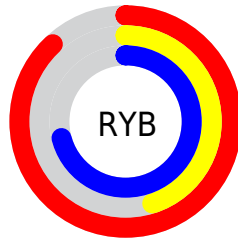
The Yxy color **31.8757, 0.3641, 0.2538** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **60.0464, 0.2830, 0.4208**, and the grayscale version is **33.2304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5589, 0.3300, 0.2620**, and **13.2457, 0.3790, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **26.9464, 0.3798, 0.2405**, and if you desaturate by 10%, it is **38.0869, 0.3502, 0.2689**.

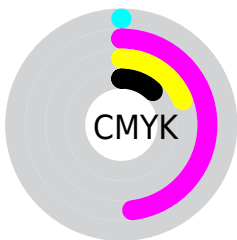
Distribution



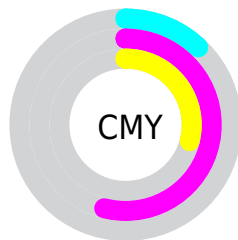
- Red (88%)
- Green (45%)
- Blue (71%)



- Red (88%)
- Yellow (45%)
- Blue (71%)



- Cyan (0%)
- Magenta (48%)
- Yellow (19%)
- Black (12%)



- Cyan (12%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8757, 0.3641, 0.2538 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 Yxy color 31.8757, 0.3641, 0.2538 by changing the saturation by 10% instead.


 31.8757, 0.3641,
0.2538


 31.8757, 0.3641,
0.2538


310.5526, 0.3381,
0.2913


 21.2666, 0.3707,
0.2446


 62.6162, 0.3546,
0.2673

 13.3190, 0.3792,
0.2328


 83.5163, 0.3510,
0.2725

 7.6486, 0.3906,
0.2173


 108.6156, 0.3480,
0.2768

 3.8709, 0.4065,
0.1960

138.2984, 0.3454,
0.2805

 1.6016, 0.4303,
0.1655

172.9491, 0.3432,
0.2837

 0.3587, 0.4812,
0.0961

212.9521, 0.3413,

 0.0000, 0.6523,

0.2865


0.0000

258.6918, 0.3396,
0.2890


 0.0000, 0.0000,
0.0000


 31.8757, 0.3641,
0.2538

 31.8757, 0.3641,
0.2538


 26.9464, 0.3798,
0.2405

 38.0869, 0.3502,
0.2689


 23.2020, 0.3969,
0.2301


 45.6589, 0.3380,
0.2849

 20.5386, 0.4150,
0.2239


 54.6694, 0.3277,
0.3009


 18.8323, 0.4332,
0.2227


 65.1890, 0.3190,
0.3165


 17.9015, 0.4510,
0.2266


 77.2837, 0.3116,
0.3313

 17.7839, 0.4539,
0.2274

 91.0153, 0.3056,
0.3452

 94.0591, 0.3005,
0.3400

 94.6117, 0.2957,
0.3310

 94.7406, 0.2946,
0.3289

Harmonies

Analogous

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



31.8757, 0.2798, 0.2184



31.8757, 0.3641, 0.2538



31.8757, 0.4409, 0.3049

Triad

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



31.8757, 0.3641, 0.2538



31.8757, 0.4037, 0.4713



31.8757, 0.1723, 0.2598

Complementary

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



31.8757, 0.3641, 0.2538



60.0464, 0.2830, 0.4208

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.



31.8757, 0.1961, 0.3362



31.8757, 0.3641, 0.2538



31.8757, 0.3274, 0.4798

Square

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



31.8757, 0.3641, 0.2538



31.8757, 0.4601, 0.4234



31.8757, 0.2513, 0.4261



31.8757, 0.1791, 0.2168

Rectangle

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



31.8757, 0.3641, 0.2538



31.8757, 0.4707, 0.3437



31.8757, 0.2513, 0.4261



31.8757, 0.1767, 0.2818

Sweetspot

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



31.8772, 0.3641, 0.2538



77.0428, 0.3246, 0.3061



25.1817, 0.2542, 0.1888



15.8809, 0.3266, 0.3028



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8772, 0.3641, 0.2538



35.8113, 0.3798, 0.2405



30.0787, 0.4312, 0.3145



13.8392, 0.3198, 0.3149



10.2759, 0.4512, 0.2259



0.7297, 0.4258, 0.2119

Inverse Universe

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



31.8772, 0.3641, 0.2538



35.8113, 0.3798, 0.2405



62.3089, 0.2552, 0.3454



13.8392, 0.3198, 0.3149



10.2759, 0.4512, 0.2259



0.7297, 0.4258, 0.2119

Previews

White Background



This preview shows how the Yxy color 31.8757, 0.3641, 0.2538 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 Yxy color 31.8757, 0.3641, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

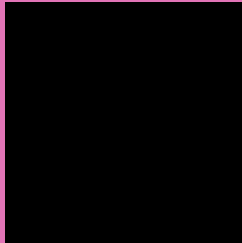
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8757, 0.3641, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 31.8757, 0.3641, 0.2538.



This preview shows how white text looks on a background with the Yxy color 31.8757, 0.3641, 0.2538.

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

31.8757, 0.3641, 0.2538

Protanopia

32.3647, 0.2558, 0.2511

Deuteranopia

32.2164, 0.2969, 0.2912



Tritanopia

31.8866, 0.4129, 0.3184

Trichromacy



Original Color

31.8757, 0.3641, 0.2538



Protanomaly

31.0885, 0.2889, 0.2495



Deuteranomaly

31.3364, 0.3194, 0.2749



Tritanomaly

31.7157, 0.3957, 0.2936

Monochromacy



Original Color

31.8757, 0.3641, 0.2538



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.5901, 0.3312, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8757, 0.3641, 0.2538 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, 116, 182)` looks like.

```
.text, #text, p{  
    color:rgb(225, 116, 182)  
}
```

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, 116, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 116, 182) }
```

Border

The CSS property to change the border of an element to Yxy 31.8757, 0.3641, 0.2538 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, 116, 182) }
```

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

```
.border{ border-color:rgb(225, 116, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 116, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 116, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 116, 182);  
box-shadow:4px 4px 4px 4px rgb(225, 116,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8757, 0.3641, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 116, 182) }
```

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

```
.background{ background-color: rgb(225,  
116, 182) }
```

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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