

Converting Colors

$Y_{xy}(30.0332, 0.3180, 0.1946)$

Have a look what the booklet for
Yxy(30.0332, 0.3180, 0.1946)
contains.

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Color

Yxy(30.0479, 0.3180, 0.1948)

Conversions

Conversions Part 1

Format	Color
Hex	E161E2
RGB	225, 97, 226
RGB Percent	88%, 38%, 89%
CMY	0.1176, 0.6196, 0.1138
CMYK	0.00, 0.57, 0.00, 0.11
HSL	300°, 69%, 63%
HSV	300°, 57%, 89%
XYZ	49.0515, 30.0479, 75.1506
YIQ	149.9780, 34.8790, 67.2550

Conversions

Conversions Part 2

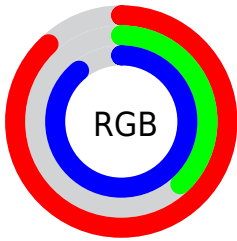
Format	Color
R _Y B	225, 97, 226
Decimal	14770658
CIE Lab	61.70, 66.16, -42.79
CIE LCh	62, 78.795, 327.108
Yxy	30.0479, 0.3180, 0.1948
Android (android.graphics.Color)	4292960738 (0xFFE161E2)
YUV	149.9780, 37.4788, 65.7943
Hunter-Lab	54.8160, 63.8009, -42.9132

Details

The Yxy color **30.0479, 0.3180, 0.1948** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **57.8406, 0.3046, 0.5124**, and the grayscale version is **30.3183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **12.3198, 0.3161, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **26.4233, 0.3185, 0.1783**, and if you desaturate by 10%, it is **34.8644, 0.3173, 0.2148**.

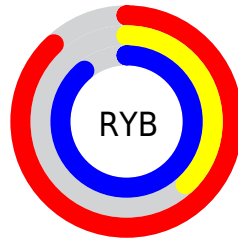
Distribution



Red (88%)

Green (38%)

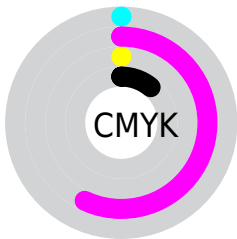
Blue (89%)



Red (88%)

Yellow (38%)

Blue (89%)

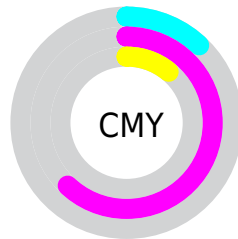


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (62%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0479, 0.3180, 0.1948 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 30.0479, 0.3180, 0.1948 by changing the saturation by 10% instead.


 30.0479, 0.3180,
0.1948


 30.0479, 0.3180,
0.1948


302.1277, 0.3183,
0.2575

 19.8749, 0.3171,
0.1807


 59.7379, 0.3187,
0.2165


 12.3042, 0.3155,
0.1636


 80.0238, 0.3188,
0.2249

 6.9512, 0.3126,
0.1424


 104.4494, 0.3188,
0.2322

 3.4316, 0.3075,
0.1161

 133.3992, 0.3188,
0.2386

 1.3610, 0.2976,
0.0834

167.2575, 0.3187,
0.2442

 0.1877, 0.2837,
0.0242

206.4087, 0.3186,


 0.0000, 0.2362,

0.2491

0.0000


251.2373, 0.3184,
0.2536


 0.0000, 0.0000,
0.0000

 30.0479, 0.3180,
0.1948


 30.0479, 0.3180,
0.1948


 26.4233, 0.3185,
0.1783


 34.8644, 0.3173,
0.2148


 23.8825, 0.3189,
0.1660


 40.9604, 0.3164,
0.2374

 22.3050, 0.3191,
0.1579


 48.4202, 0.3155,
0.2618


 21.5318, 0.3190,
0.1539

 57.3197, 0.3145,
0.2868

 21.3801, 0.3190,
0.1531

 67.7290, 0.3134,
0.3118

 79.7139, 0.3124,
0.3360

 93.2110, 0.3115,
0.3588

 93.2387, 0.3116,
0.3588

 93.2664, 0.3117,
0.3588

Harmonies

Analogous

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



30.0479, 0.2101, 0.1628



30.0479, 0.3180, 0.1948



30.0479, 0.4499, 0.2513

Triad

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



30.0479, 0.3180, 0.1948



30.0479, 0.4777, 0.4852



30.0479, 0.1273, 0.2710

Complementary

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



30.0479, 0.3180, 0.1948



57.8406, 0.3046, 0.5124

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.



30.0479, 0.1758, 0.4132



30.0479, 0.3180, 0.1948



30.0479, 0.3770, 0.5574

Square

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



30.0479, 0.3180, 0.1948



30.0479, 0.5444, 0.3993



30.0479, 0.2677, 0.5452



30.0479, 0.1199, 0.1901

Rectangle

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



30.0479, 0.3180, 0.1948



30.0479, 0.5195, 0.2974



30.0479, 0.2677, 0.5452



30.0479, 0.1383, 0.3125

Sweetspot

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



30.0493, 0.3180, 0.1948



75.3300, 0.3145, 0.2867



16.9859, 0.2027, 0.1488



15.5838, 0.3147, 0.2816



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.



30.0493, 0.3180, 0.1948



34.2064, 0.3186, 0.1764



27.3842, 0.3928, 0.2543



13.9301, 0.3137, 0.3059



12.2025, 0.3190, 0.1531



0.8475, 0.3194, 0.1533

Inverse Universe

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



25.5983, 0.4855, 0.3285



27.8576, 0.5401, 0.3286



59.4386, 0.2739, 0.4238



13.7022, 0.3291, 0.3289



9.2272, 0.6392, 0.3295



0.6402, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 30.0479, 0.3180, 0.1948 looks on a white background.

Color Contrast Check

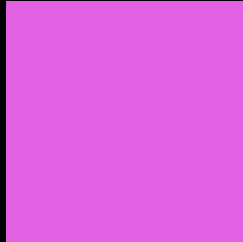
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0479, 0.3180, 0.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

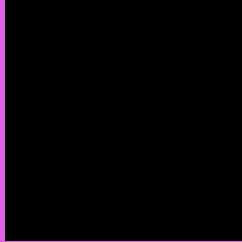
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0479, 0.3180, 0.1948

Background



This preview shows how black text looks on a background with the Yxy color 30.0479, 0.3180, 0.1948.

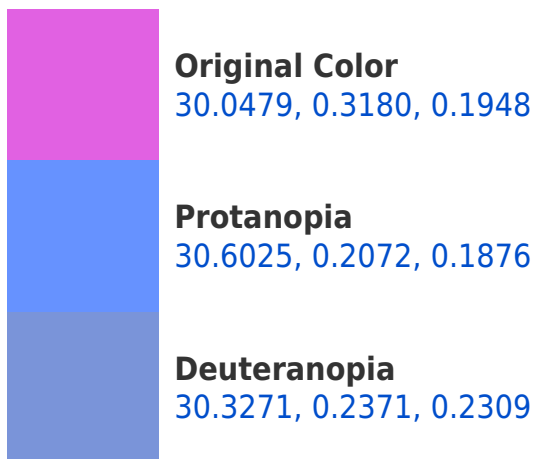


This preview shows how white text looks on a background with the Yxy color 30.0479, 0.3180, 0.1948.

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





Tritanopia

29.8539, 0.4134, 0.3182

Trichromacy



Original Color

30.0479, 0.3180, 0.1948



Protanomaly

28.1730, 0.2352, 0.1837



Deuteranomaly

28.2387, 0.2605, 0.2098



Tritanomaly

29.4689, 0.3766, 0.2661

Monochromacy



Original Color

30.0479, 0.3180, 0.1948



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.7941, 0.3147, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0479, 0.3180, 0.1948 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, 97, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 97, 226)  
}
```

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, 97, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 97, 226) }
```

Border

The CSS property to change the border of an element to Yxy 30.0479, 0.3180, 0.1948 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, 97, 226) }
```

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

```
.border{ border-color:rgb(225, 97, 226) }
```

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

Here you see how a box with a 4 pixel rgb(225, 97, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 97, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 97, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 97,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0479, 0.3180, 0.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 97, 226) }
```

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

```
.background{ background-color: rgb(225, 97,  
226) }
```

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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