

Converting Colors

$Y_{xy}(30.0973, 0.3301, 0.2035)$

Have a look what the booklet for
Yxy(30.0973, 0.3301, 0.2035)
contains.

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Color

Yxy(30.0531, 0.3303, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	E461D9
RGB	228, 97, 217
RGB Percent	89%, 38%, 85%
CMY	0.1058, 0.6197, 0.1489
CMYK	0.00, 0.57, 0.05, 0.11
HSL	305°, 71%, 64%
HSV	305°, 57%, 89%
XYZ	48.8030, 30.0531, 68.8975
YIQ	149.8490, 39.5560, 65.0920

Conversions

Conversions Part 2

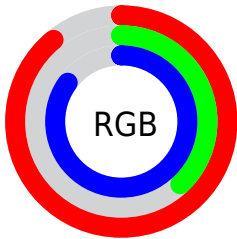
Format	Color
R _{YB}	228, 97, 217
Decimal	14967257
CIE _{Lab}	61.70, 65.47, -37.74
CIE _{LCh}	62, 75.564, 330.039
Yxy	30.0531, 0.3303, 0.2034
Android (android.graphics.Color)	4293157337 (0xFFE461D9)
YUV	149.8490, 33.1054, 68.5384
Hunter-Lab	54.8207, 62.9698, -36.1400

Details

The Yxy color **30.0531, 0.3303, 0.2034** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.1224, 0.2993, 0.5001**, and the grayscale version is **30.2747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **12.3567, 0.3321, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **26.3313, 0.3337, 0.1880**, and if you desaturate by 10%, it is **34.9894, 0.3268, 0.2222**.

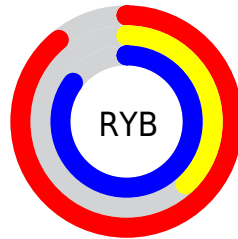
Distribution



Red (89%)

Green (38%)

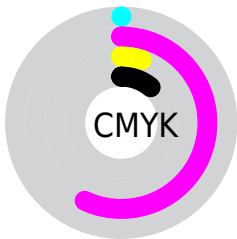
Blue (85%)



Red (89%)

Yellow (38%)

Blue (85%)

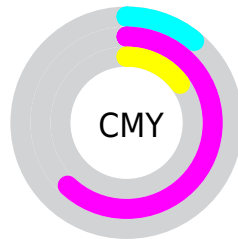


Cyan (0%)

Magenta (57%)

Yellow (5%)

Black (11%)



Cyan (11%)


Magenta (62%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0531, 0.3303, 0.2034 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 30.0531, 0.3303, 0.2034 by changing the saturation by 10% instead.


 30.0531, 0.3303,
0.2034


 30.0531, 0.3303,
0.2034


302.1519, 0.3239,
0.2627


 19.8789, 0.3312,
0.1898


 59.7461, 0.3285,
0.2241


 12.3070, 0.3319,
0.1732

 80.0338, 0.3277,
0.2321

 6.9531, 0.3321,
0.1525


 104.4613, 0.3269,
0.2390

 3.4328, 0.3312,
0.1262

 133.4132, 0.3262,
0.2450

 1.3617, 0.3274,
0.0928

167.2738, 0.3256,
0.2503

 0.1882, 0.3242,
0.0282

206.4275, 0.3250,


 0.0000, 0.2863,


0.2549


0.0000


251.2588, 0.3244,
0.2590


 0.0000, 0.0000,
0.0000

 30.0531, 0.3303,
0.2034

 30.0531, 0.3303,
0.2034


 26.3313, 0.3337,
0.1880


 34.9894, 0.3268,
0.2222


 23.7130, 0.3370,
0.1767

 41.2302, 0.3235,
0.2434

 22.0738, 0.3401,
0.1697

 48.8621, 0.3202,
0.2660

 21.2458, 0.3428,
0.1670

 57.9628, 0.3173,
0.2893

 21.0966, 0.3435,
0.1666

 68.6044, 0.3146,
0.3123

■ 80.8542, 0.3121,
0.3345

■ 93.7548, 0.3101,
0.3541

■ 93.8631, 0.3090,
0.3521

■ 93.9726, 0.3079,
0.3501

Harmonies

Analogous

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



30.0531, 0.2221, 0.1695



30.0531, 0.3303, 0.2034



30.0531, 0.4560, 0.2606

Triad

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



30.0531, 0.3303, 0.2034



30.0531, 0.4656, 0.4901



30.0531, 0.1306, 0.2638

Complementary

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



30.0531, 0.3303, 0.2034



59.1224, 0.2993, 0.5001

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.



30.0531, 0.1744, 0.3950



30.0531, 0.3303, 0.2034



30.0531, 0.3667, 0.5527

Square

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



30.0531, 0.3303, 0.2034



30.0531, 0.5334, 0.4074



30.0531, 0.2607, 0.5267



30.0531, 0.1263, 0.1902

Rectangle

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



30.0531, 0.3303, 0.2034



30.0531, 0.5184, 0.3064



30.0531, 0.2607, 0.5267



30.0531, 0.1403, 0.3016

Sweetspot

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



30.0545, 0.3303, 0.2034



75.1602, 0.3172, 0.2901



17.3294, 0.2085, 0.1478



15.5432, 0.3177, 0.2854



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.



30.0545, 0.3303, 0.2034



33.1650, 0.3344, 0.1854



27.2962, 0.4117, 0.2682



14.5933, 0.3151, 0.3078



12.1876, 0.3431, 0.1664



0.9068, 0.3395, 0.1644

Inverse Universe

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



30.0545, 0.3303, 0.2034



33.1650, 0.3344, 0.1854



61.0739, 0.2671, 0.4051



14.5933, 0.3151, 0.3078



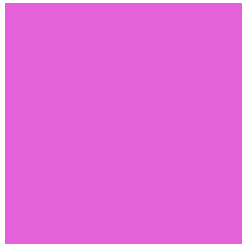
12.1876, 0.3431, 0.1664



0.9068, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 30.0531, 0.3303, 0.2034 looks on a white background.

Color Contrast Check

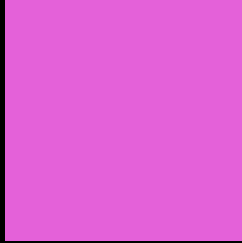
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0531, 0.3303, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

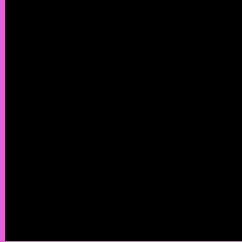
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0531, 0.3303, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 30.0531, 0.3303, 0.2034.



This preview shows how white text looks on a background with the Yxy color 30.0531, 0.3303, 0.2034.

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

30.0531, 0.3303, 0.2034

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.4504, 0.2469, 0.2414



Tritanopia

29.9233, 0.4213, 0.3184

Trichromacy



Original Color

30.0531, 0.3303, 0.2034



Protanomaly

28.0851, 0.2377, 0.1864



Deuteranomaly

28.4533, 0.2719, 0.2195



Tritanomaly

29.6911, 0.3876, 0.2717

Monochromacy



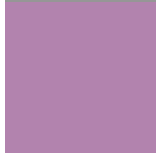
Original Color

30.0531, 0.3303, 0.2034



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.7536, 0.3198, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0531, 0.3303, 0.2034 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(228, 97, 217)` looks like.

```
.text, #text, p{  
    color:rgb(228, 97, 217)  
}
```

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(228, 97, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 97, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.0531, 0.3303, 0.2034 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(228, 97, 217) }
```

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

```
.border{ border-color:rgb(228, 97, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 97, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 97, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 97, 217);  
box-shadow:4px 4px 4px 4px rgb(228, 97,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0531, 0.3303, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 97, 217) }
```

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

```
.background{ background-color: rgb(228, 97,  
217) }
```

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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