

Converting Colors

$Y_{xy}(30.1727, 0.3355, 0.2127)$

Have a look what the booklet for
Yxy(30.1727, 0.3355, 0.2127)
contains.

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Color

Yxy(30.1293, 0.3354, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	E265D2
RGB	226, 101, 210
RGB Percent	89%, 40%, 82%
CMY	0.1138, 0.6038, 0.1765
CMYK	0.00, 0.55, 0.07, 0.11
HSL	308°, 68%, 64%
HSV	308°, 55%, 89%
XYZ	47.6444, 30.1293, 64.2787
YIQ	150.8010, 39.5110, 60.3990

Conversions

Conversions Part 2

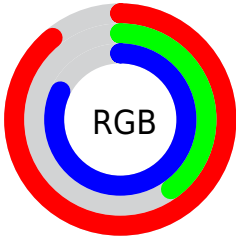
Format	Color
R _Y B	226, 101, 210
Decimal	14837202
CIE Lab	61.77, 61.99, -33.70
CIE LCh	62, 70.557, 331.471
Yxy	30.1293, 0.3354, 0.2121
Android (android.graphics.Color)	4293027282 (0xFFE265D2)
YUV	150.8010, 29.1851, 65.9495
Hunter-Lab	54.8902, 58.8792, -31.0080

Details

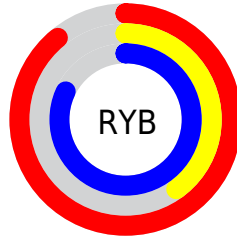
The Yxy color **30.1293, 0.3354, 0.2121** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.4309, 0.2970, 0.4852**, and the grayscale version is **30.7221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **12.3473, 0.3395, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **26.1853, 0.3404, 0.1964**, and if you desaturate by 10%, it is **35.2848, 0.3305, 0.2309**.

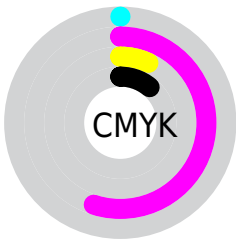
Distribution



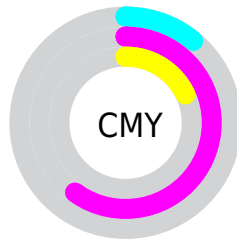
- Red (89%)
- Green (40%)
- Blue (82%)



- Red (89%)
- Yellow (40%)
- Blue (82%)



- Cyan (0%)
- Magenta (55%)
- Yellow (7%)
- Black (11%)





- Cyan (11%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1293, 0.3354, 0.2121 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 30.1293, 0.3354, 0.2121 by changing the saturation by 10% instead.

 30.1293, 0.3354,
0.2121


 30.1293, 0.3354,
0.2121


302.5067, 0.3260,
0.2680


 19.9368, 0.3371,
0.1991


 59.8666, 0.3324,
0.2317


 12.3491, 0.3390,
0.1831


 80.1801, 0.3312,
0.2393

 6.9819, 0.3409,
0.1629


 104.6361, 0.3301,
0.2458

 3.4508, 0.3424,
0.1368

 133.6190, 0.3291,
0.2514

 1.3714, 0.3423,
0.1030

167.5130, 0.3282,
0.2563

 0.1955, 0.3463,
0.0335

206.7028, 0.3274,

 0.0000, 0.3128,

0.2607

0.0000

251.5725, 0.3266,
0.2645

0.0000, 0.0000,
0.0000

30.1293, 0.3354,
0.2121

30.1293, 0.3354,
0.2121

26.1853, 0.3404,
0.1964

35.2848, 0.3305,
0.2309

23.3472, 0.3453,
0.1846

41.7377, 0.3259,
0.2517

21.4983, 0.3501,
0.1771

49.5708, 0.3216,
0.2737


20.4936, 0.3545,
0.1742

58.8589, 0.3178,
0.2959


20.1998, 0.3566,
0.1738

69.6714, 0.3144,
0.3178

 82.0734, 0.3114,
0.3387

 93.4101, 0.3089,
0.3544

 93.5739, 0.3073,
0.3513

 93.7405, 0.3057,
0.3483

Harmonies

Analogous

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



30.1293, 0.2316, 0.1782



30.1293, 0.3354, 0.2121



30.1293, 0.4518, 0.2680

Triad

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



30.1293, 0.3354, 0.2121



30.1293, 0.4559, 0.4876



30.1293, 0.1389, 0.2645

Complementary

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



30.1293, 0.3354, 0.2121



58.4309, 0.2970, 0.4852

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.



30.1293, 0.1798, 0.3844



30.1293, 0.3354, 0.2121



30.1293, 0.3618, 0.5398

Square

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



30.1293, 0.3354, 0.2121



30.1293, 0.5200, 0.4105



30.1293, 0.2610, 0.5072



30.1293, 0.1357, 0.1962

Rectangle

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



30.1293, 0.3354, 0.2121



30.1293, 0.5082, 0.3126



30.1293, 0.2610, 0.5072



30.1293, 0.1479, 0.2993

Sweetspot

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



30.1307, 0.3354, 0.2121



75.0404, 0.3185, 0.2919



18.4885, 0.2160, 0.1565



15.5146, 0.3192, 0.2874



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.



30.1307, 0.3354, 0.2121



33.9390, 0.3410, 0.1948



27.6449, 0.4117, 0.2747



13.9039, 0.3157, 0.3088



11.5394, 0.3559, 0.1734



0.8084, 0.3497, 0.1700

Inverse Universe

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



30.1307, 0.3354, 0.2121



33.9390, 0.3410, 0.1948



60.3641, 0.2660, 0.3955



13.9039, 0.3157, 0.3088



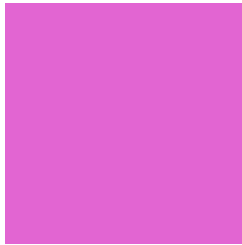
11.5394, 0.3559, 0.1734



0.8084, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 30.1293, 0.3354, 0.2121 looks on a white background.

Color Contrast Check

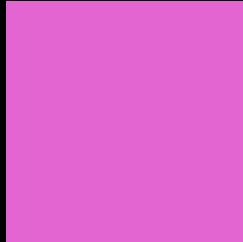
Large Text (above 18pt) WCAG AA × Fail

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 30.1293, 0.3354, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

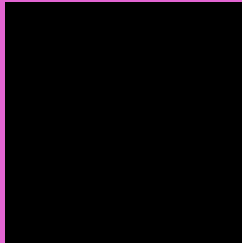
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1293, 0.3354, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 30.1293, 0.3354, 0.2121.



This preview shows how white text looks on a background with the Yxy color 30.1293, 0.3354, 0.2121.

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

30.1293, 0.3354, 0.2121

Protanopia

30.5232, 0.2130, 0.1946

Deuteranopia

30.2000, 0.2552, 0.2492



Tritanopia

30.0382, 0.4184, 0.3183

Trichromacy



Original Color

30.1293, 0.3354, 0.2121



Protanomaly

28.4851, 0.2446, 0.1957



Deuteranomaly

28.5885, 0.2796, 0.2288



Tritanomaly

29.7535, 0.3874, 0.2758

Monochromacy



Original Color

30.1293, 0.3354, 0.2121



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.2186, 0.3217, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1293, 0.3354, 0.2121 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(226, 101, 210)` looks like.

```
.text, #text, p{  
    color:rgb(226, 101, 210)  
}
```

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(226, 101, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 101, 210) }
```

Border

The CSS property to change the border of an element to Yxy 30.1293, 0.3354, 0.2121 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(226, 101, 210) }
```

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

```
.border{ border-color:rgb(226, 101, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 101, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 101, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 101, 210);  
box-shadow:4px 4px 4px 4px rgb(226, 101,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1293, 0.3354, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 101, 210) }
```

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

```
.background{ background-color: rgb(226,  
101, 210) }
```

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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