

Converting Colors

$Y_{xy}(29.1219, 0.33380, 0.2045)$

Have a look what the booklet for
Yxy(29.1219, 0.3380, 0.2045)
contains.

Yxy(29.0658, 0.3371, 0.2040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.0658, 0.3371, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	E55CD4
RGB	229, 92, 212
RGB Percent	90%, 36%, 83%
CMY	0.1019, 0.6393, 0.1685
CMYK	0.00, 0.60, 0.07, 0.10
HSL	307°, 73%, 63%
HSV	307°, 60%, 90%
XYZ	48.0298, 29.0658, 65.3838
YIQ	146.6430, 43.1320, 66.3640

Conversions

Conversions Part 2

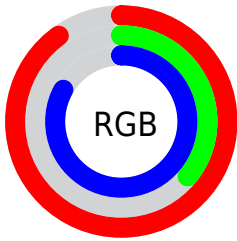
Format	Color
R _{YB}	229, 92, 212
Decimal	15031508
CIE Lab	60.84, 67.05, -36.25
CIE LCh	61, 76.222, 331.602
Yxy	29.0658, 0.3371, 0.2040
Android (android.graphics.Color)	4293221588 (0xFFE55CD4)
YUV	146.6430, 32.2210, 72.2271
Hunter-Lab	53.9127, 64.6750, -34.1663

Details

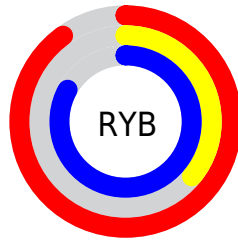
The Yxy color **29.0658, 0.3371, 0.2040** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **59.4249, 0.2965, 0.5007**, and the grayscale version is **28.8733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9749, 0.3175, 0.2266**, and **11.7192, 0.3402, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **25.5399, 0.3420, 0.1899**, and if you desaturate by 10%, it is **33.7957, 0.3323, 0.2216**.

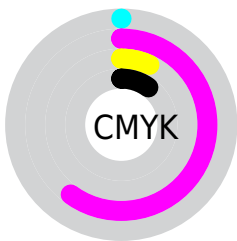
Distribution



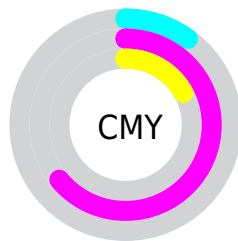
- Red (90%)
- Green (36%)
- Blue (83%)



- Red (90%)
- Yellow (36%)
- Blue (83%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)
- Black (10%)




- Cyan (10%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0658, 0.3371, 0.2040 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 29.0658, 0.3371, 0.2040 by changing the saturation by 10% instead.

 29.0658, 0.3371,
0.2040


 29.0658, 0.3371,
0.2040


297.5253, 0.3271,
0.2634


 19.1306, 0.3389,
0.1903


 58.1816, 0.3340,
0.2248

 11.7647, 0.3408,
0.1735


 78.1310, 0.3327,
0.2328

 6.5837, 0.3426,
0.1525


 102.1873, 0.3315,
0.2397

 3.2031, 0.3438,
0.1257

 130.7348, 0.3304,
0.2457

 1.2387, 0.3430,
0.0916

164.1580, 0.3295,
0.2510

 0.0930, 0.3479,
0.0156

202.8412, 0.3286,


 0.0000, 0.3084,


0.2556


0.0000


247.1688, 0.3278,
0.2597


 0.0000, 0.0000,
0.0000


 29.0658, 0.3371,
0.2040


 29.0658, 0.3371,
0.2040


 25.5399, 0.3420,
0.1899


 33.7957, 0.3323,
0.2216


 23.1020, 0.3467,
0.1800

 39.8235, 0.3277,
0.2417

 21.6206, 0.3512,
0.1747


 47.2384, 0.3233,
0.2633

 20.8702, 0.3553,
0.1732


 56.1206, 0.3194,
0.2856

 20.8598, 0.3554,
0.1732

 66.5443, 0.3158,
0.3078

 78.5785, 0.3127,
0.3294

 92.2881, 0.3099,
0.3498

 94.1636, 0.3082,
0.3495

 94.3287, 0.3066,
0.3466

Harmonies

Analogous

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



29.0658, 0.2252, 0.1684



29.0658, 0.3371, 0.2040



29.0658, 0.4648, 0.2627

Triad

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



29.0658, 0.3371, 0.2040



29.0658, 0.4625, 0.4961



29.0658, 0.1268, 0.2568

Complementary

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



29.0658, 0.3371, 0.2040



59.4249, 0.2965, 0.5007

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.



29.0658, 0.1684, 0.3882



29.0658, 0.3371, 0.2040



29.0658, 0.3610, 0.5584

Square

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



29.0658, 0.3371, 0.2040



29.0658, 0.5343, 0.4117



29.0658, 0.2539, 0.5265



29.0658, 0.1245, 0.1855

Rectangle

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



29.0658, 0.3371, 0.2040



29.0658, 0.5259, 0.3093



29.0658, 0.2539, 0.5265



29.0658, 0.1358, 0.2942

Sweetspot

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



29.0672, 0.3371, 0.2040



73.7689, 0.3187, 0.2895



16.4963, 0.2070, 0.1414



15.0155, 0.3198, 0.2830



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.



29.0672, 0.3371, 0.2040



31.6573, 0.3432, 0.1869



26.3417, 0.4246, 0.2714



14.5829, 0.3157, 0.3087



11.9371, 0.3548, 0.1728



0.8908, 0.3492, 0.1697

Inverse Universe

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



29.0672, 0.3371, 0.2040



31.6573, 0.3432, 0.1869



61.4752, 0.2638, 0.4022



14.5829, 0.3157, 0.3087



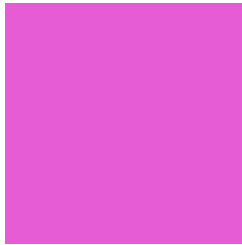
11.9371, 0.3548, 0.1728



0.8908, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 29.0658, 0.3371, 0.2040 looks on a white background.

Color Contrast Check

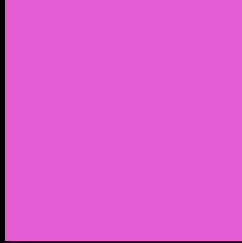
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0658, 0.3371, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

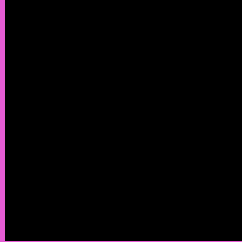
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0658, 0.3371, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 29.0658, 0.3371, 0.2040.

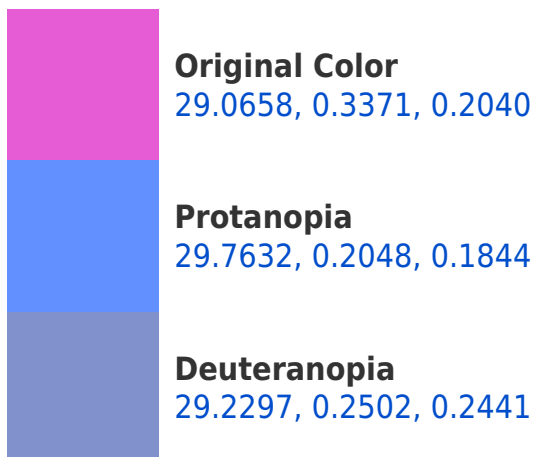


This preview shows how white text looks on a background with the Yxy color 29.0658, 0.3371, 0.2040.

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

29.0061, 0.4310, 0.3198

Trichromacy



Original Color

29.0658, 0.3371, 0.2040



Protanomaly

27.0102, 0.2368, 0.1840



Deuteranomaly

27.3773, 0.2765, 0.2219



Tritanomaly

28.6037, 0.3968, 0.2722

Monochromacy



Original Color

29.0658, 0.3371, 0.2040



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4661, 0.3223, 0.2676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0658, 0.3371, 0.2040 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(229, 92, 212)` looks like.

```
.text, #text, p{  
    color:rgb(229, 92, 212)  
}
```

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(229, 92, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 92, 212) }
```

Border

The CSS property to change the border of an element to Yxy 29.0658, 0.3371, 0.2040 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(229, 92, 212) }
```

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

```
.border{ border-color:rgb(229, 92, 212) }
```

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

Here you see how a box with a 4 pixel rgb(229, 92, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 92, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 92, 212);  
box-shadow:4px 4px 4px 4px rgb(229, 92,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0658, 0.3371, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 92, 212) }
```

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

```
.background{ background-color: rgb(229, 92,  
212) }
```

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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