

Converting Colors

$Yxy(66.1793, 0.3156, 0.2673)$

Have a look what the booklet for
Yxy(66.1793, 0.3156, 0.2673)
contains.

Yxy(66.1793, 0.3156, 0.2673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.1793, 0.3156, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	FFC0FF
RGB	255, 192, 255
RGB Percent	100%, 75%, 100%
CMY	0.0000, 0.2470, 0.0000
CMYK	0.00, 0.25, 0.00, 0.00
HSL	300°, 100%, 88%
HSV	300°, 25%, 100%
XYZ	78.1376, 66.1793, 103.2674
YIQ	218.0190, 17.3250, 32.9490

Conversions

Conversions Part 2

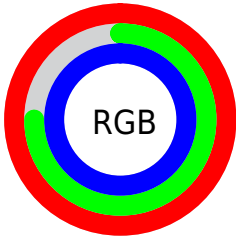
Format	Color
R _Y B	255, 192, 255
Decimal	16761087
CIE _L ab	85.09, 32.67, -22.21
CIE _L Ch	85, 39.505, 325.789
Yxy	66.1793, 0.3156, 0.2673
Android (android.graphics.Color)	4294951167 (0xFFFFC0FF)
YUV	218.0190, 18.2316, 32.4323
Hunter-Lab	81.3507, 29.0863, -18.3179

Details

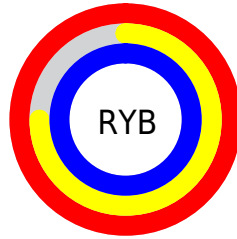
The Yxy color $66.1793, 0.3156, 0.2673$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.5349, 0.3094, 0.3995$, and the grayscale version is $69.9892, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.2314, 0.3130, 0.3233$, and $34.2599, 0.3162, 0.2545$ is the 20% darker color. If you saturate the color by 10%, you get $55.9358, 0.3168, 0.2427$, and if you desaturate by 10%, it is $78.3677, 0.3144, 0.2925$.

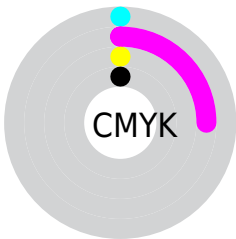
Distribution



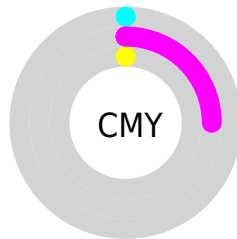
- Red (100%)
- Green (75%)
- Blue (100%)



- Red (100%)
- Yellow (75%)
- Blue (100%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1793, 0.3156, 0.2673 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 66.1793, 0.3156, 0.2673 by changing the saturation by 10% instead.


 66.1793, 0.3156,
0.2673

 66.1793, 0.3156,
0.2673


447.0178, 0.3149,
0.2948

 48.4180, 0.3156,
0.2613


 113.7436, 0.3155,
0.2766

 34.1580, 0.3156,
0.2540


144.3154, 0.3154,
0.2803

 23.0150, 0.3155,
0.2449


179.9262, 0.3153,
0.2835

 14.6046, 0.3152,
0.2335

220.9603, 0.3152,
0.2863

 8.5424, 0.3145,
0.2185

267.8021, 0.3151,
0.2888

 4.4439, 0.3129,
0.1981

320.8360, 0.3150,

 1.9248, 0.3095,

0.2910

0.1692

380.4465, 0.3149,
0.2930

0.5633, 0.3031,
0.1190

0.0000, 0.2261,
0.0000

66.1793, 0.3156,
0.2673

66.1793, 0.3156,
0.2673

55.9358, 0.3168,
0.2427

78.3677, 0.3144,
0.2925

47.5297, 0.3178,
0.2195

92.5864, 0.3133,
0.3175

40.8546, 0.3188,
0.1989

100.0000, 0.3127,
0.3290

35.7899, 0.3196,
0.1817

■ 32.1999, 0.3202,
0.1686

■ 29.9264, 0.3206,
0.1599

■ 28.7752, 0.3208,
0.1553

■ 28.4738, 0.3209,
0.1541

Harmonies

Analogous

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



66.1793, 0.2690, 0.2520



66.1793, 0.3156, 0.2673



66.1793, 0.3650, 0.2962

Triad

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



66.1793, 0.3156, 0.2673



66.1793, 0.3919, 0.4041



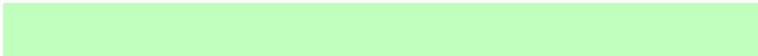
66.1793, 0.2315, 0.3145

Complementary

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



66.1793, 0.3156, 0.2673



86.5349, 0.3094, 0.3995

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.



66.1793, 0.2600, 0.3636



66.1793, 0.3156, 0.2673



66.1793, 0.3523, 0.4182

Square

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



66.1793, 0.3156, 0.2673



66.1793, 0.4106, 0.3721



66.1793, 0.3039, 0.4039



66.1793, 0.2235, 0.2751

Rectangle

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



66.1793, 0.3156, 0.2673



66.1793, 0.3914, 0.3204



66.1793, 0.3039, 0.4039



66.1793, 0.2389, 0.3305

Sweetspot

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



66.1818, 0.3156, 0.2673



89.1348, 0.3135, 0.3118



56.5937, 0.2702, 0.2597



18.8884, 0.3136, 0.3103



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.



66.1818, 0.3156, 0.2673



60.5183, 0.3162, 0.2541



64.3753, 0.3386, 0.2960



18.3003, 0.3138, 0.3056



14.8782, 0.3209, 0.1541



1.4487, 0.3209, 0.1541

Inverse Universe

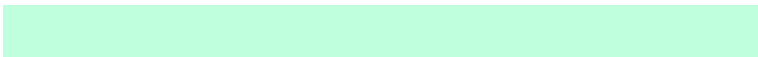
The Inverse Universe completely reimagines the original color for something new.



62.7699, 0.3650, 0.3291



56.5350, 0.3805, 0.3292



88.0260, 0.2930, 0.3646



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 66.1793, 0.3156, 0.2673 looks on a white background.

Color Contrast Check

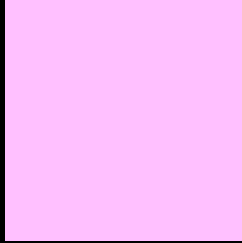
Large Text (above 18pt) WCAG AA × Fail

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 66.1793, 0.3156, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

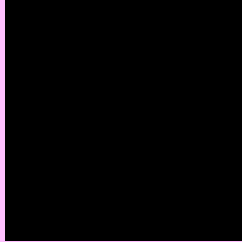
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1793, 0.3156, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 66.1793, 0.3156, 0.2673.



This preview shows how white text looks on a background with the Yxy color 66.1793, 0.3156, 0.2673.

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

66.1793, 0.3156, 0.2673

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.4362, 0.2880, 0.2819



Tritanopia

65.8929, 0.3403, 0.3125

Trichromacy



Original Color

66.1793, 0.3156, 0.2673



Protanomaly

65.9353, 0.2915, 0.2755



Deuteranomaly

65.9909, 0.2977, 0.2760



Tritanomaly

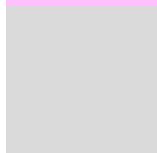
65.7023, 0.3307, 0.2944

Monochromacy



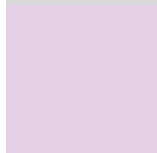
Original Color

66.1793, 0.3156, 0.2673



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.3594, 0.3138, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1793, 0.3156, 0.2673 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(255, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 255)  
}
```

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(255, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.1793, 0.3156, 0.2673 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(255, 192, 255) }
```

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

```
.border{ border-color:rgb(255, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1793, 0.3156, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 255) }
```

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

```
.background{ background-color: rgb(255,  
192, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor