

Converting Colors

$Yxy(66.8300, 0.2704, 0.2851)$

Have a look what the booklet for
Yxy(66.8300, 0.2704, 0.2851)
contains.

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Color

Yxy(66.6397, 0.2705, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	BDD7FF
RGB	189, 215, 255
RGB Percent	74%, 84%, 100%
CMY	0.2592, 0.1567, 0.0001
CMYK	0.26, 0.16, 0.00, 0.00
HSL	216°, 100%, 87%
HSV	216°, 26%, 100%
XYZ	63.3159, 66.6397, 104.1143
YIQ	211.7860, -28.3360, 6.9280

Conversions

Conversions Part 2

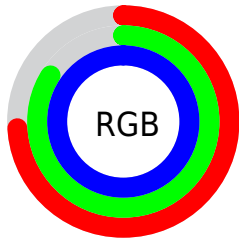
Format	Color
RYB	189, 208, 255
Decimal	12441599
CIELab	85.32, -0.05, -22.34
CIELCh	85, 22.344, 269.864
Yxy	66.6397, 0.2705, 0.2847
Android (android.graphics.Color)	4290631679 (0xFFBDD7FF)
YUV	211.7860, 21.3045, -19.9833
Hunter-Lab	81.6331, -4.4107, -18.4748

Details

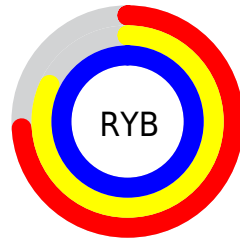
The Yxy color **66.6397, 0.2705, 0.2847** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.8834, 0.3582, 0.3696**, and the grayscale version is **65.5499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **34.2872, 0.2603, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **56.1791, 0.2531, 0.2643**, and if you desaturate by 10%, it is **78.4186, 0.2874, 0.3033**.

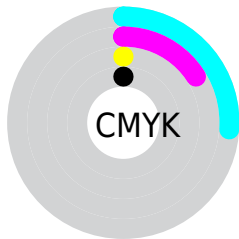
Distribution



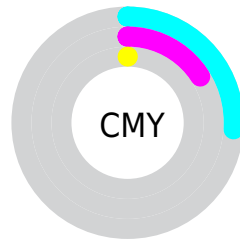
- Red (74%)
- Green (84%)
- Blue (100%)



- Red (74%)
- Yellow (82%)
- Blue (100%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6397, 0.2705, 0.2847 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 66.6397, 0.2705, 0.2847 by changing the saturation by 10% instead.

■ 66.6397, 0.2705,
0.2847

■ 66.6397, 0.2705,
0.2847

■ 448.6612, 0.2901,
0.3053

■ 48.7919, 0.2660,
0.2800

■ 114.4040, 0.2773,
0.2918

■ 34.4544, 0.2605,
0.2742

■ 145.0892, 0.2799,
0.2946

■ 23.2429, 0.2535,
0.2669

■ 180.8224, 0.2822,
0.2970

■ 14.7730, 0.2445,
0.2574

■ 221.9879, 0.2842,
0.2991

■ 8.6602, 0.2323,
0.2445

■ 268.9702, 0.2860,
0.3009

■ 4.5202, 0.2150,
0.2264

■ 322.1535, 0.2875,

■ 1.9686, 0.1889,

0.3025

0.1990

381.9224, 0.2889,
0.3040

0.5891, 0.1411,
0.1488

0.0000, 0.0000,
0.0000

66.6397, 0.2705,
0.2847

66.6397, 0.2705,
0.2847

56.1791, 0.2531,
0.2643

78.4186, 0.2874,
0.3033

46.9783, 0.2356,
0.2423

91.5551, 0.3036,
0.3200

38.9861, 0.2187,
0.2190

99.9986, 0.3127,
0.3290

32.1439, 0.2030,
0.1953

■ 26.3873, 0.1893,
0.1718

■ 21.6434, 0.1781,
0.1494

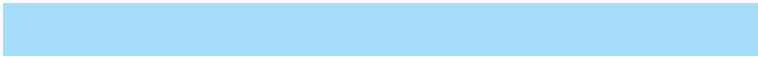
■ 17.8264, 0.1698,
0.1291

■ 16.4911, 0.1671,
0.1215

Harmonies

Analogous

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



66.6397, 0.2608, 0.2967



66.6397, 0.2705, 0.2847



66.6397, 0.2914, 0.2843

Triad

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



66.6397, 0.2705, 0.2847



66.6397, 0.3637, 0.3360



66.6397, 0.3048, 0.3674

Complementary

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



66.6397, 0.2705, 0.2847



80.8834, 0.3582, 0.3696

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.



66.6397, 0.3326, 0.3781



66.6397, 0.2705, 0.2847



66.6397, 0.3674, 0.3582

Square

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



66.6397, 0.2705, 0.2847



66.6397, 0.3457, 0.3131



66.6397, 0.3557, 0.3741



66.6397, 0.2800, 0.3449

Rectangle

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



66.6397, 0.2705, 0.2847



66.6397, 0.3093, 0.2901



66.6397, 0.3557, 0.3741



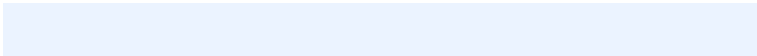
66.6397, 0.3141, 0.3725

Sweetspot

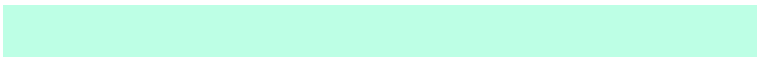
The Sweet Spot groups the original color and five complimentary colors.



66.6424, 0.2705, 0.2847



88.7158, 0.3003, 0.3167



87.9452, 0.2880, 0.3578



18.5561, 0.2979, 0.3142



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.



66.6424, 0.2705, 0.2847



61.1702, 0.2617, 0.2745



55.2440, 0.2722, 0.2555



18.5561, 0.2979, 0.3142



8.8895, 0.1679, 0.1245



1.0715, 0.1741, 0.1469

Inverse Universe

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



62.5186, 0.3466, 0.3023



56.8062, 0.3555, 0.2968



95.2009, 0.3476, 0.3950



18.1060, 0.3232, 0.3196



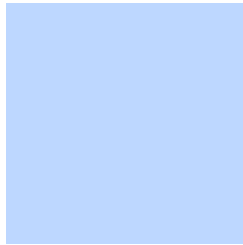
11.6254, 0.5403, 0.2750



1.1527, 0.5100, 0.2583

Previews

White Background



This preview shows how the Yxy color 66.6397, 0.2705, 0.2847 looks on a white background.

Color Contrast Check

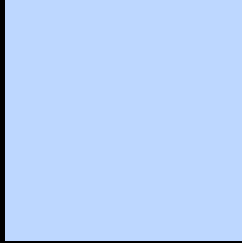
Large Text (above 18pt) WCAG AA × Fail

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 66.6397, 0.2705, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

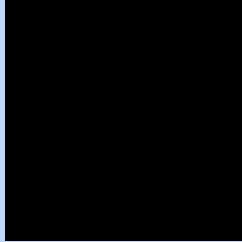
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

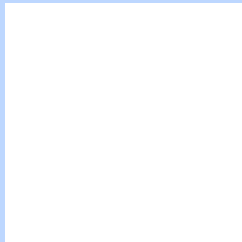
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6397, 0.2705, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 66.6397, 0.2705, 0.2847.



This preview shows how white text looks on a background with the Yxy color 66.6397, 0.2705, 0.2847.

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

66.6397, 0.2705, 0.2847

Protanopia

66.4542, 0.2814, 0.2844

Deuteranopia

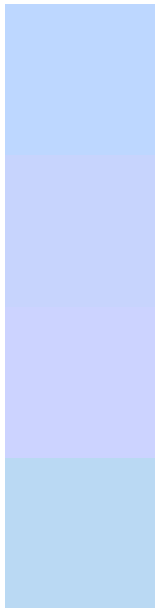
66.3288, 0.2848, 0.2788



Tritanopia

66.5132, 0.2791, 0.3083

Trichromacy



Original Color

66.6397, 0.2705, 0.2847

Protanomaly

66.3209, 0.2777, 0.2841

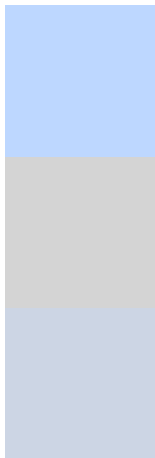
Deuteranomaly

66.6459, 0.2797, 0.2814

Tritanomaly

66.5359, 0.2756, 0.2995

Monochromacy



Original Color

66.6397, 0.2705, 0.2847

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.0273, 0.2964, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6397, 0.2705, 0.2847 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(189, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 215, 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(189, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.6397, 0.2705, 0.2847 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(189, 215, 255) }
```

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

```
.border{ border-color:rgb(189, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6397, 0.2705, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 215, 255) }
```

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

```
.background{ background-color: rgb(189,  
215, 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](#).

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