

Converting Colors

$Y_{xy}(65.0905, 0.2794, 0.2778)$

Have a look what the booklet for
Yxy(65.0905, 0.2794, 0.2778)
contains.

| | |
|--|----|
| Yxy(65.1691, 0.2795, 0.2780) | 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(65.1691, 0.2795, 0.2780)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | CCD0FF |
| RGB | 204, 208, 255 |
| RGB Percent | 80%, 82%, 100% |
| CMY | 0.1997, 0.1844, 0.0000 |
| CMYK | 0.20, 0.18, 0.00, 0.00 |
| HSL | 235°, 100%, 90% |
| HSV | 235°, 20%, 100% |
| XYZ | 65.5207, 65.1691, 103.7314 |
| YIQ | 212.1620, -17.4710, 13.7690 |

Conversions

Conversions Part 2

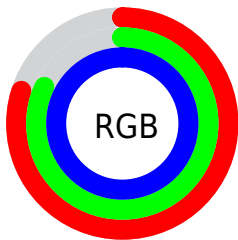
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 204, 208, 255 |
| Decimal | 13422847 |
| CIE Lab | 84.57, 8.19, -23.40 |
| CIE LCh | 85, 24.790, 289.302 |
| Yxy | 65.1691, 0.2795, 0.2780 |
| Android (android.graphics.Color) | 4291612927 (0xFFCCD0FF) |
| YUV | 212.1620, 21.1191, -7.1581 |
| Hunter-Lab | 80.7274, 3.6030, -19.6761 |

Details

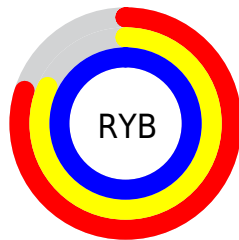
The Yxy color $65.1691, 0.2795, 0.2780$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.6679, 0.3436, 0.3754$, and the grayscale version is $65.8249, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.5780, 0.2713, 0.2669$ is the 20% darker color. If you saturate the color by 10%, you get $51.2194, 0.2602, 0.2479$, and if you desaturate by 10%, it is $81.4173, 0.2971, 0.3051$.

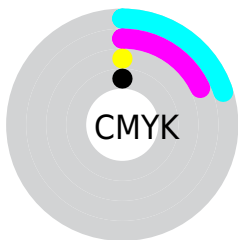
Distribution



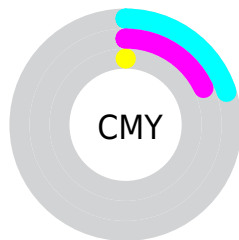
- Red (80%)
- Green (82%)
- Blue (100%)



- Red (80%)
- Yellow (82%)
- Blue (100%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1691, 0.2795, 0.2780 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 65.1691, 0.2795, 0.2780 by changing the saturation by 10% instead.

■ 65.1691, 0.2795,
0.2780

■ 65.1691, 0.2795,
0.2780

443.3994, 0.2952,
0.3014

■ 47.5982, 0.2759,
0.2727

112.2929, 0.2850,
0.2861

■ 33.5088, 0.2714,
0.2662

142.6147, 0.2871,
0.2892

■ 22.5165, 0.2657,
0.2581

177.9555, 0.2889,
0.2920

■ 14.2369, 0.2581,
0.2475

218.6998, 0.2905,
0.2943

■ 8.2856, 0.2479,
0.2335

265.2319, 0.2919,
0.2964

■ 4.2783, 0.2331,
0.2138

317.9363, 0.2931,

■ 1.8304, 0.2103,

0.2983

0.1846

377.1973, 0.2942,
0.2999

■ 0.5060, 0.1718,
0.1277

■ 0.0000, 0.0000,
0.0000

■ 65.1691, 0.2795,
0.2780

■ 65.1691, 0.2795,
0.2780

■ 51.2194, 0.2602,
0.2479

■ 81.4173, 0.2971,
0.3051

■ 39.4568, 0.2397,
0.2153

99.9999, 0.3127,
0.3290

■ 29.7726, 0.2187,
0.1814

■ 22.0455, 0.1984,
0.1481

■ 16.1418, 0.1803,
0.1176

■ 11.9108, 0.1659,
0.0923

■ 9.1775, 0.1561,
0.0741

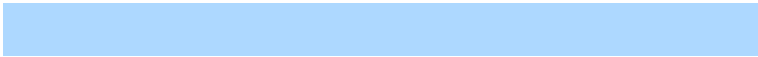
■ 7.7094, 0.1510,
0.0636

■ 7.7067, 0.1510,
0.0636

Harmonies

Analogous

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



65.1691, 0.2603, 0.2828



65.1691, 0.2795, 0.2780



65.1691, 0.3082, 0.2855

Triad

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



65.1691, 0.2795, 0.2780



65.1691, 0.3745, 0.3530



65.1691, 0.2850, 0.3567

Complementary

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



65.1691, 0.2795, 0.2780



94.6679, 0.3436, 0.3754

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.



65.1691, 0.3147, 0.3782



65.1691, 0.2795, 0.2780



65.1691, 0.3671, 0.3742

Square

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



65.1691, 0.2795, 0.2780



65.1691, 0.3643, 0.3274



65.1691, 0.3449, 0.3843



65.1691, 0.2634, 0.3273

Rectangle

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



65.1691, 0.2795, 0.2780



65.1691, 0.3294, 0.2964



65.1691, 0.3449, 0.3843



65.1691, 0.2944, 0.3652

Sweetspot

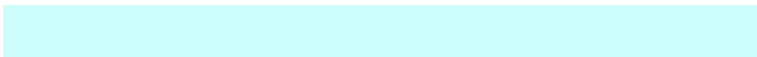
The Sweet Spot groups the original color and five complimentary colors.



65.1718, 0.2795, 0.2780



88.5305, 0.3035, 0.3150



91.3159, 0.2849, 0.3333



18.6933, 0.3025, 0.3134



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.



65.1718, 0.2795, 0.2780



59.2834, 0.2719, 0.2662



66.4922, 0.2938, 0.2759



17.6021, 0.2978, 0.3063



4.1061, 0.1513, 0.0647



0.4738, 0.1542, 0.0752

Inverse Universe

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



69.0313, 0.3496, 0.3251



63.8553, 0.3592, 0.3243



93.3371, 0.3289, 0.3813



18.0097, 0.3282, 0.3272



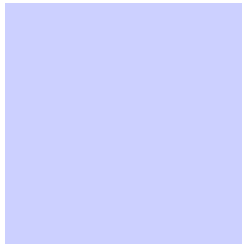
11.1425, 0.6320, 0.3255



1.0924, 0.6147, 0.3160

Previews

White Background



This preview shows how the Yxy color 65.1691, 0.2795, 0.2780 looks on a white background.

Color Contrast Check

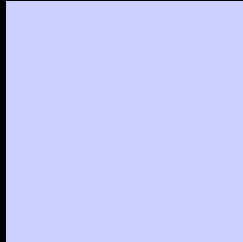
Large Text (above 18pt) WCAG AA × Fail

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 65.1691, 0.2795, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

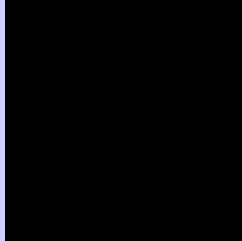
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1691, 0.2795, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 65.1691, 0.2795, 0.2780.



This preview shows how white text looks on a background with the Yxy color 65.1691, 0.2795, 0.2780.

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

65.1691, 0.2795, 0.2780

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

64.9179, 0.2827, 0.2763



Tritanopia

64.8862, 0.2922, 0.3096

Trichromacy



Original Color

65.1691, 0.2795, 0.2780

Protanomaly

65.3775, 0.2782, 0.2789

Deuteranomaly

65.1110, 0.2814, 0.2772

Tritanomaly

65.1791, 0.2879, 0.2988

Monochromacy



Original Color

65.1691, 0.2795, 0.2780

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.7453, 0.2999, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1691, 0.2795, 0.2780 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(204, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 208, 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(204, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.1691, 0.2795, 0.2780 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(204, 208, 255) }
```

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

```
.border{ border-color:rgb(204, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1691, 0.2795, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 208, 255) }
```

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

```
.background{ background-color: rgb(204,  
208, 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