

Converting Colors

$Y_{xy}(65.0778, 0.2989, 0.2838)$

Have a look what the booklet for
Yxy(65.0778, 0.2989, 0.2838)
contains.

Yxy(65.1517, 0.2994, 0.2844)	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(65.1517, 0.2994, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	E0CBF5
RGB	224, 203, 245
RGB Percent	88%, 80%, 96%
CMY	0.1214, 0.2040, 0.0392
CMYK	0.09, 0.17, 0.00, 0.04
HSL	270°, 68%, 88%
HSV	270°, 17%, 96%
XYZ	68.5880, 65.1517, 95.3451
YIQ	214.0670, -0.9660, 17.5140

Conversions

Conversions Part 2

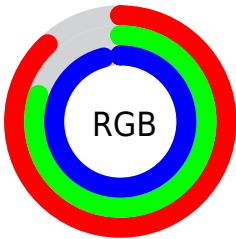
Format	Color
R_{YB}	224, 203, 245
Decimal	14732277
CIE _{Lab}	84.56, 15.02, -17.96
CIE _{LCh}	85, 23.412, 309.908
Yxy	65.1517, 0.2994, 0.2844
Android (android.graphics.Color)	4292922357 (0xFFE0CBF5)
YUV	214.0670, 15.2500, 8.7112
Hunter-Lab	80.7166, 10.4242, -13.5336

Details

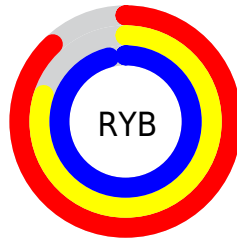
The Yxy color **65.1517, 0.2994, 0.2844** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.4536, 0.3243, 0.3737**, and the grayscale version is **67.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.6040, 0.2960, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **52.6001, 0.2899, 0.2558**, and if you desaturate by 10%, it is **79.6775, 0.3076, 0.3112**.

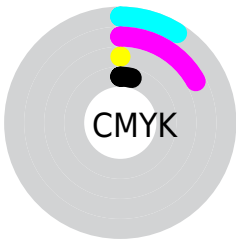
Distribution



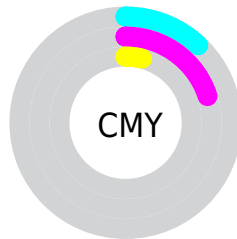
- Red (88%)
- Green (80%)
- Blue (96%)



- Red (88%)
- Yellow (80%)
- Blue (96%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1517, 0.2994, 0.2844 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 65.1517, 0.2994, 0.2844 by changing the saturation by 10% instead.

65.1517, 0.2994,
0.2844

65.1517, 0.2994,
0.2844

443.3369, 0.3059,
0.3048

47.5841, 0.2978,
0.2798

112.2679, 0.3017,
0.2914

33.4976, 0.2959,
0.2742

142.5853, 0.3026,
0.2942

22.5079, 0.2934,
0.2671

177.9215, 0.3033,
0.2965

14.2306, 0.2900,
0.2579

218.6607, 0.3040,
0.2986

8.2812, 0.2852,
0.2457

265.1875, 0.3046,
0.3004

4.2754, 0.2780,
0.2284

317.8862, 0.3051,

1.8288, 0.2661,

0.3021

377.1412, 0.3055,
0.3035

0.2025

0.5050, 0.2472,
0.1474

0.0000, 0.0000,
0.0000

65.1517, 0.2994,
0.2844

65.1517, 0.2994,
0.2844

52.6001, 0.2899,
0.2558

79.6775, 0.3076,
0.3112

41.9260, 0.2791,
0.2261

96.2522, 0.3146,
0.3358

33.0365, 0.2671,
0.1962

99.3725, 0.3185,
0.3386

25.8274, 0.2542,
0.1673

■ 20.1833, 0.2409,
0.1410

■ 15.9736, 0.2277,
0.1188

■ 13.0454, 0.2152,
0.1019

■ 11.2022, 0.2039,
0.0906

■ 10.7893, 0.2009,
0.0880

Harmonies

Analogous

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



65.1517, 0.2744, 0.2808



65.1517, 0.2994, 0.2844



65.1517, 0.3291, 0.2985

Triad

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



65.1517, 0.2994, 0.2844



65.1517, 0.3680, 0.3664



65.1517, 0.2713, 0.3363

Complementary

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



65.1517, 0.2994, 0.2844



85.4536, 0.3243, 0.3737

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.



65.1517, 0.2949, 0.3627



65.1517, 0.2994, 0.2844



65.1517, 0.3509, 0.3797

Square

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



65.1517, 0.2994, 0.2844



65.1517, 0.3698, 0.3444



65.1517, 0.3240, 0.3789



65.1517, 0.2588, 0.3092

Rectangle

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



65.1517, 0.2994, 0.2844



65.1517, 0.3475, 0.3123



65.1517, 0.3240, 0.3789



65.1517, 0.2782, 0.3457

Sweetspot

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



65.1545, 0.2994, 0.2844



90.9470, 0.3092, 0.3166



72.5960, 0.2857, 0.3061



19.2039, 0.3087, 0.3148



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.



65.1545, 0.2994, 0.2844



65.7452, 0.2959, 0.2735



68.7119, 0.3147, 0.2865



16.3348, 0.3058, 0.3051



5.8949, 0.2025, 0.0889



0.5792, 0.2160, 0.0964

Inverse Universe

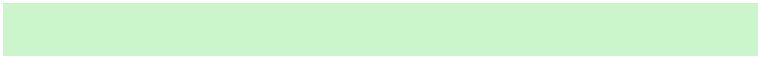
The Inverse Universe completely reimagines the original color for something new.



67.4981, 0.3299, 0.3073



68.8536, 0.3346, 0.3021



82.3107, 0.3105, 0.3756



16.6204, 0.3215, 0.3173



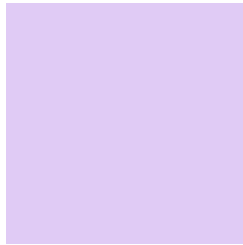
11.2454, 0.4966, 0.2509



1.0091, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 65.1517, 0.2994, 0.2844 looks on a white background.

Color Contrast Check

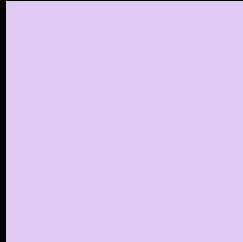
Large Text (above 18pt) WCAG AA × Fail

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 65.1517, 0.2994, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

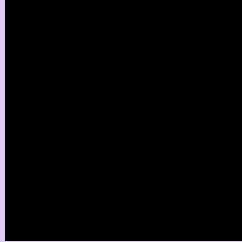
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1517, 0.2994, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 65.1517, 0.2994, 0.2844.



This preview shows how white text looks on a background with the Yxy color 65.1517, 0.2994, 0.2844.

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

65.1517, 0.2994, 0.2844

Protanopia

65.1370, 0.2824, 0.2851

Deuteranopia

65.2732, 0.2944, 0.2880



Tritanopia

65.3255, 0.3120, 0.3114

Trichromacy



Original Color

65.1517, 0.2994, 0.2844

Protanomaly

65.2518, 0.2884, 0.2846

Deuteranomaly

65.2544, 0.2965, 0.2871

Tritanomaly

65.4417, 0.3073, 0.3019

Monochromacy



Original Color

65.1517, 0.2994, 0.2844

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.4349, 0.3083, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1517, 0.2994, 0.2844 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(224, 203, 245)` looks like.

```
.text, #text, p{  
    color:rgb(224, 203, 245)  
}
```

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(224, 203, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 203, 245) }
```

Border

The CSS property to change the border of an element to Yxy 65.1517, 0.2994, 0.2844 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(224, 203, 245) }
```

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

```
.border{ border-color:rgb(224, 203, 245) }
```

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

Here you see how a box with a 4 pixel rgb(224, 203, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 203, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 203, 245);  
box-shadow:4px 4px 4px 4px rgb(224, 203,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1517, 0.2994, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 203, 245) }
```

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

```
.background{ background-color: rgb(224,  
203, 245) }
```

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