

Converting Colors

Yxy(66.5849, 0.2984, 0.2857)

Have a look what the booklet for
Yxy(66.5849, 0.2984, 0.2857)
contains.

Yxy(66.7053, 0.2981, 0.2857)	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(66.7053, 0.2981, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	E0CEF7
RGB	224, 206, 247
RGB Percent	88%, 81%, 97%
CMY	0.1215, 0.1921, 0.0315
CMYK	0.09, 0.17, 0.00, 0.03
HSL	266°, 72%, 89%
HSV	266°, 17%, 97%
XYZ	69.6005, 66.7053, 97.1745
YIQ	216.0560, -2.4330, 16.5670

Conversions

Conversions Part 2

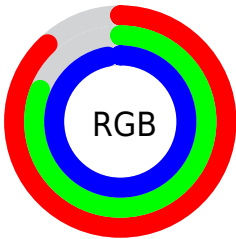
Format	Color
R _Y B	224, 206, 247
Decimal	14733047
CIE Lab	85.35, 13.80, -17.81
CIE LCh	85, 22.528, 307.770
Yxy	66.7053, 0.2981, 0.2857
Android (android.graphics.Color)	4292923127 (0xFFE0CEF7)
YUV	216.0560, 15.2554, 6.9669
Hunter-Lab	81.6733, 9.1860, -13.3716

Details

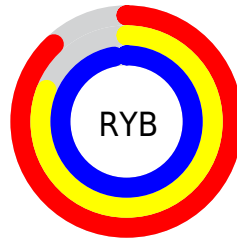
The Yxy color $66.7053, 0.2981, 0.2857$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.6067, 0.3256, 0.3719$, and the grayscale version is $68.6073, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.6531, 0.2944, 0.2757$ is the 20% darker color. If you saturate the color by 10%, you get $53.6151, 0.2874, 0.2568$, and if you desaturate by 10%, it is $81.8492, 0.3074, 0.3126$.

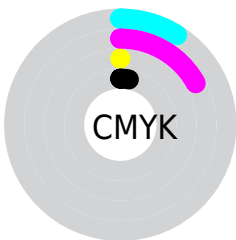
Distribution



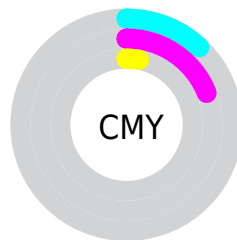
- Red (88%)
- Green (81%)
- Blue (97%)



- Red (88%)
- Yellow (81%)
- Blue (97%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)





- Cyan (12%)
- Magenta (19%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7053, 0.2981, 0.2857 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 66.7053, 0.2981, 0.2857 by changing the saturation by 10% instead.

 66.7053, 0.2981,
0.2857

 66.7053, 0.2981,
0.2857

448.8951, 0.3051,
0.3055

 48.8452, 0.2964,
0.2813


114.4980, 0.3006,
0.2925

 34.4967, 0.2943,
0.2758


145.1994, 0.3015,
0.2952

 23.2754, 0.2916,
0.2690


180.9500, 0.3024,
0.2975

 14.7970, 0.2880,
0.2602

222.1343, 0.3031,
0.2995

 8.6770, 0.2830,
0.2484

269.1365, 0.3037,
0.3012

 4.5311, 0.2755,
0.2318

322.3411, 0.3042,

 1.9749, 0.2634,

0.3028

0.2070

382.1325, 0.3047,
0.3042

0.5928, 0.2428,
0.1597

0.0000, 0.0000,
0.0000

66.7053, 0.2981,
0.2857

66.7053, 0.2981,
0.2857

53.6151, 0.2874,
0.2568

81.8492, 0.3074,
0.3126

42.4788, 0.2753,
0.2265

98.8706, 0.3153,
0.3367

33.2010, 0.2619,
0.1957

99.4933, 0.3174,
0.3367

25.6745, 0.2476,
0.1657

■ 19.7809, 0.2328,
0.1382

■ 15.3863, 0.2184,
0.1148

■ 12.3346, 0.2049,
0.0968

■ 10.4306, 0.1931,
0.0849

■ 9.9413, 0.1894,
0.0817

Harmonies

Analogous

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



66.7053, 0.2748, 0.2831



66.7053, 0.2981, 0.2857



66.7053, 0.3264, 0.2986

Triad

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



66.7053, 0.2981, 0.2857



66.7053, 0.3661, 0.3635



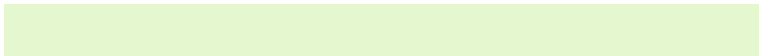
66.7053, 0.2745, 0.3380

Complementary

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



66.7053, 0.2981, 0.2857



87.6067, 0.3256, 0.3719

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.



66.7053, 0.2976, 0.3626



66.7053, 0.2981, 0.2857



66.7053, 0.3508, 0.3769

Square

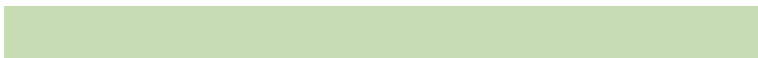
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.7053, 0.2981, 0.2857



66.7053, 0.3667, 0.3422



66.7053, 0.3255, 0.3771



66.7053, 0.2616, 0.3119

Rectangle

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



66.7053, 0.2981, 0.2857



66.7053, 0.3442, 0.3115



66.7053, 0.3255, 0.3771



66.7053, 0.2812, 0.3468

Sweetspot

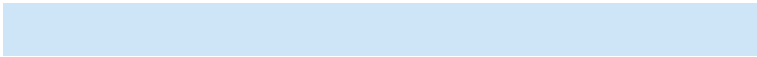
The Sweet Spot groups the original color and five complimentary colors.



66.7081, 0.2981, 0.2857



90.8038, 0.3087, 0.3166



75.9935, 0.2867, 0.3099



19.1691, 0.3081, 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.



66.7081, 0.2981, 0.2857



66.6447, 0.2946, 0.2760



70.1326, 0.3127, 0.2876



16.2833, 0.3048, 0.3050



5.3401, 0.1911, 0.0827



0.5291, 0.2050, 0.0903

Inverse Universe

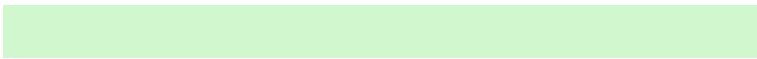
The Inverse Universe completely reimagines the original color for something new.



69.5663, 0.3274, 0.3055



70.3042, 0.3311, 0.3004



84.4738, 0.3124, 0.3737



16.6380, 0.3206, 0.3158



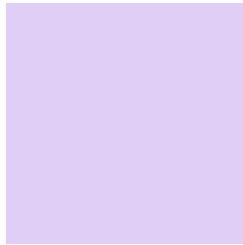
11.4628, 0.4707, 0.2366



1.0281, 0.4467, 0.2234

Previews

White Background



This preview shows how the Yxy color 66.7053, 0.2981, 0.2857 looks on a white background.

Color Contrast Check

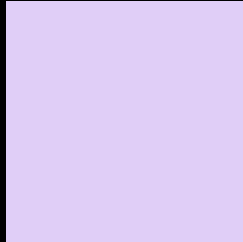
Large Text (above 18pt) WCAG AA × Fail

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 66.7053, 0.2981, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

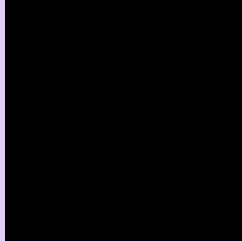
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7053, 0.2981, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 66.7053, 0.2981, 0.2857.

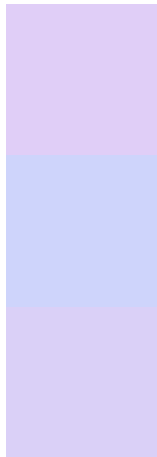


This preview shows how white text looks on a background with the Yxy color 66.7053, 0.2981, 0.2857.

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

66.7053, 0.2981, 0.2857

Protanopia

67.1738, 0.2834, 0.2867

Deuteranopia

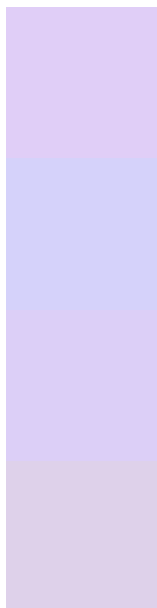
66.7326, 0.2939, 0.2873



Tritanopia

66.9563, 0.3099, 0.3115

Trichromacy



Original Color

66.7053, 0.2981, 0.2857

Protanomaly

67.1414, 0.2886, 0.2861

Deuteranomaly

66.5567, 0.2953, 0.2864

Tritanomaly

67.0710, 0.3052, 0.3020

Monochromacy



Original Color

66.7053, 0.2981, 0.2857

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.6931, 0.3077, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7053, 0.2981, 0.2857 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, 206, 247)` looks like.

```
.text, #text, p{  
    color:rgb(224, 206, 247)  
}
```

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, 206, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 206, 247) }
```

Border

The CSS property to change the border of an element to Yxy 66.7053, 0.2981, 0.2857 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, 206, 247) }
```

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

```
.border{ border-color:rgb(224, 206, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 206, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 206, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 206, 247);  
box-shadow:4px 4px 4px 4px rgb(224, 206,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7053, 0.2981, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 206, 247) }
```

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

```
.background{ background-color: rgb(224,  
206, 247) }
```

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