

Converting Colors

$Yxy(64.3233, 0.2854, 0.2996)$

Have a look what the booklet for
Yxy(64.3233, 0.2854, 0.2996)
contains.

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Color

Yxy(64.4387, 0.2852, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	C4D3ED
RGB	196, 211, 237
RGB Percent	77%, 83%, 93%
CMY	0.2314, 0.1725, 0.0707
CMYK	0.17, 0.11, 0.00, 0.07
HSL	218°, 53%, 85%
HSV	218°, 17%, 93%
XYZ	61.3415, 64.4387, 89.3022
YIQ	209.4790, -17.2860, 4.9060

Conversions

Conversions Part 2

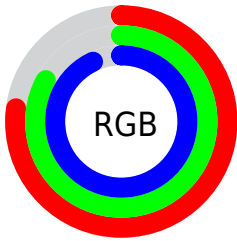
Format	Color
R _Y B	196, 207, 237
Decimal	12899309
CIE Lab	84.19, 0.22, -14.46
CIE LCh	84, 14.465, 270.879
Yxy	64.4387, 0.2852, 0.2996
Android (android.graphics.Color)	4291089389 (0xFFC4D3ED)
YUV	209.4790, 13.5679, -11.8211
Hunter-Lab	80.2737, -4.0775, -9.7668

Details

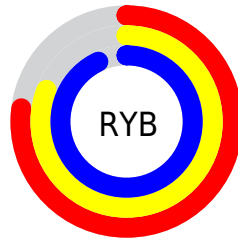
The Yxy color $64.4387, 0.2852, 0.2996$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $74.2085, 0.3413, 0.3568$, and the grayscale version is $64.0084, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.6226, 0.3115, 0.3290$, and $33.2009, 0.2787, 0.2933$ is the 20% darker color. If you saturate the color by 10%, you get $54.3938, 0.2681, 0.2799$, and if you desaturate by 10%, it is $75.6878, 0.3015, 0.3173$.

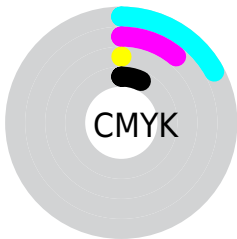
Distribution



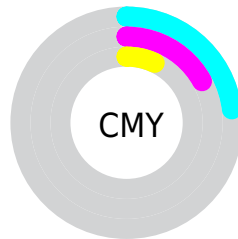
- Red (77%)
- Green (83%)
- Blue (93%)



- Red (77%)
- Yellow (81%)
- Blue (93%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4387, 0.2852, 0.2996 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 64.4387, 0.2852, 0.2996 by changing the saturation by 10% instead.

■ 64.4387, 0.2852,
0.2996

■ 64.4387, 0.2852,
0.2996

440.7722, 0.2981,
0.3134

■ 47.0061, 0.2822,
0.2964

111.2425, 0.2897,
0.3044

■ 33.0405, 0.2785,
0.2924

141.3825, 0.2915,
0.3063

■ 22.1574, 0.2737,
0.2873

176.5270, 0.2930,
0.3079

■ 13.9726, 0.2674,
0.2806

217.0605, 0.2943,
0.3093

■ 8.1016, 0.2588,
0.2714

263.3674, 0.2954,
0.3105

■ 4.1601, 0.2461,
0.2579

315.8320, 0.2964,

■ 1.7635, 0.2260,

0.3116

0.2366

374.8388, 0.2973,
0.3126

0.4643, 0.1759,
0.1828

0.0000, 0.0000,
0.0000

64.4387, 0.2852,
0.2996

64.4387, 0.2852,
0.2996

54.3938, 0.2681,
0.2799

75.6878, 0.3015,
0.3173

45.5028, 0.2504,
0.2583

88.1735, 0.3167,
0.3331

37.7229, 0.2328,
0.2351

98.8927, 0.3232,
0.3464

31.0058, 0.2156,
0.2107

■ 25.2989, 0.1998,
0.1860

■ 20.5441, 0.1860,
0.1618

■ 16.6759, 0.1749,
0.1391

■ 13.6146, 0.1669,
0.1190

■ 12.8970, 0.1650,
0.1140

Harmonies

Analogous

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



64.4387, 0.2783, 0.3077



64.4387, 0.2852, 0.2996



64.4387, 0.2994, 0.2993

Triad

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



64.4387, 0.2852, 0.2996



64.4387, 0.3462, 0.3345



64.4387, 0.3072, 0.3533

Complementary

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



64.4387, 0.2852, 0.2996



74.2085, 0.3413, 0.3568

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.



64.4387, 0.3254, 0.3606



64.4387, 0.2852, 0.2996



64.4387, 0.3483, 0.3491

Square

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



64.4387, 0.2852, 0.2996



64.4387, 0.3348, 0.3191



64.4387, 0.3406, 0.3589



64.4387, 0.2908, 0.3388

Rectangle

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



64.4387, 0.2852, 0.2996



64.4387, 0.3113, 0.3033



64.4387, 0.3406, 0.3589



64.4387, 0.3133, 0.3567

Sweetspot

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



64.4414, 0.2852, 0.2996



92.6143, 0.3050, 0.3211



77.5586, 0.2952, 0.3457



19.6075, 0.3039, 0.3199



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.



64.4414, 0.2852, 0.2996



71.4473, 0.2788, 0.2924



58.0751, 0.2883, 0.2826



15.4524, 0.2980, 0.3137



7.2719, 0.1658, 0.1169



0.7490, 0.1735, 0.1446

Inverse Universe

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



62.1836, 0.3342, 0.3129



68.4673, 0.3400, 0.3092



81.6107, 0.3348, 0.3725



15.1453, 0.3235, 0.3204



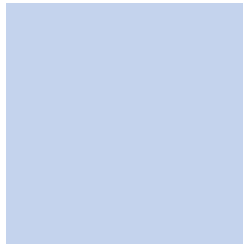
10.2269, 0.5510, 0.2809



0.8210, 0.5130, 0.2600

Previews

White Background



This preview shows how the Yxy color 64.4387, 0.2852, 0.2996 looks on a white background.

Color Contrast Check

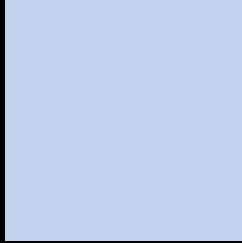
Large Text (above 18pt) WCAG AA × Fail

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 64.4387, 0.2852, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

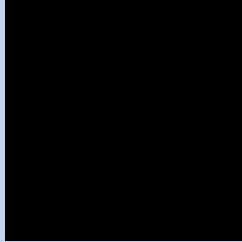
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

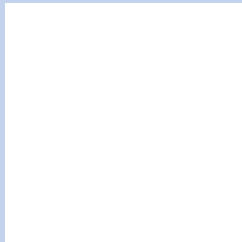
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4387, 0.2852, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 64.4387, 0.2852, 0.2996.



This preview shows how white text looks on a background with the Yxy color 64.4387, 0.2852, 0.2996.

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

64.4387, 0.2852, 0.2996

Protanopia

64.2317, 0.2932, 0.2989

Deuteranopia

64.1105, 0.2990, 0.2920



Tritanopia

64.3462, 0.2895, 0.3095

Trichromacy



Original Color

64.4387, 0.2852, 0.2996

Protanomaly

64.2136, 0.2898, 0.2987

Deuteranomaly

64.3540, 0.2933, 0.2948

Tritanomaly

64.5153, 0.2876, 0.3061

Monochromacy



Original Color

64.4387, 0.2852, 0.2996

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.0450, 0.3022, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4387, 0.2852, 0.2996 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(196, 211, 237)` looks like.

```
.text, #text, p{  
    color:rgb(196, 211, 237)  
}
```

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(196, 211, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 211, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.4387, 0.2852, 0.2996 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(196, 211, 237) }
```

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

```
.border{ border-color:rgb(196, 211, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 211, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 211, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 211, 237);  
box-shadow:4px 4px 4px 4px rgb(196, 211,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4387, 0.2852, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 211, 237) }
```

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

```
.background{ background-color: rgb(196,  
211, 237) }
```

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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