

Converting Colors

$Yxy(63.8137, 0.2952, 0.3020)$

Have a look what the booklet for
Yxy(63.8137, 0.2952, 0.3020)
contains.

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Color

Yxy(64.0598, 0.2951, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	CED0E8
RGB	206, 208, 232
RGB Percent	81%, 82%, 91%
CMY	0.1921, 0.1843, 0.0902
CMYK	0.11, 0.10, 0.00, 0.09
HSL	235°, 36%, 86%
HSV	235°, 11%, 91%
XYZ	62.5755, 64.0598, 85.4131
YIQ	210.1380, -8.8960, 7.0400

Conversions

Conversions Part 2

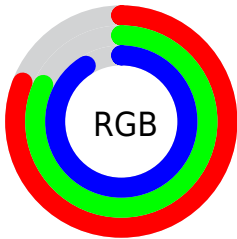
Format	Color
R _Y B	206, 208, 232
Decimal	13553896
CIE Lab	84.00, 3.95, -12.04
CIE LCh	84, 12.675, 288.149
Yxy	64.0598, 0.2951, 0.3021
Android (android.graphics.Color)	4291743976 (0xFFCED0E8)
YUV	210.1380, 10.7780, -3.6290
Hunter-Lab	80.0374, -0.5091, -7.2460

Details

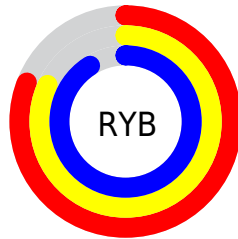
The Yxy color $64.0598, 0.2951, 0.3021$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $78.2081, 0.3297, 0.3546$, and the grayscale version is $64.4782, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.9212, 0.2914, 0.2966$ is the 20% darker color. If you saturate the color by 10%, you get $51.2364, 0.2774, 0.2748$, and if you desaturate by 10%, it is $78.7885, 0.3109, 0.3263$.

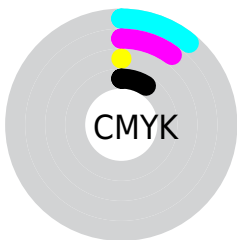
Distribution



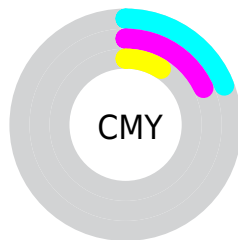
- Red (81%)
- Green (82%)
- Blue (91%)



- Red (81%)
- Yellow (82%)
- Blue (91%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0598, 0.2951, 0.3021 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 64.0598, 0.2951, 0.3021 by changing the saturation by 10% instead.

■ 64.0598, 0.2951,
0.3021

■ 64.0598, 0.2951,
0.3021

439.4056, 0.3035,
0.3147

■ 46.6991, 0.2931,
0.2992

110.6971, 0.2980,
0.3065

■ 32.7979, 0.2907,
0.2956

140.7424, 0.2992,
0.3082

■ 21.9716, 0.2876,
0.2910

175.7848, 0.3001,
0.3097

■ 13.8361, 0.2834,
0.2849

216.2085, 0.3010,
0.3109

■ 8.0067, 0.2776,
0.2766

262.3981, 0.3017,
0.3120

■ 4.0993, 0.2690,
0.2644

314.7379, 0.3024,

■ 1.7292, 0.2549,

0.3130

0.2451

373.6122, 0.3029,
0.3139

0.4425, 0.2219,
0.1899

0.0000, 0.0000,
0.0000

64.0598, 0.2951,
0.3021

64.0598, 0.2951,
0.3021

51.2364, 0.2774,
0.2748

78.7885, 0.3109,
0.3263

40.2327, 0.2581,
0.2445

95.4874, 0.3249,
0.3474

30.9686, 0.2375,
0.2118

98.6065, 0.3262,
0.3513

23.3549, 0.2166,
0.1781

■ 17.2944, 0.1966,
0.1451

■ 12.6797, 0.1789,
0.1151

■ 9.3897, 0.1649,
0.0905

■ 7.2833, 0.1556,
0.0730

■ 6.2546, 0.1511,
0.0639

Harmonies

Analogous

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



64.0598, 0.2850, 0.3054



64.0598, 0.2951, 0.3021



64.0598, 0.3101, 0.3057

Triad

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



64.0598, 0.2951, 0.3021



64.0598, 0.3442, 0.3416



64.0598, 0.2991, 0.3435

Complementary

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



64.0598, 0.2951, 0.3021



78.2081, 0.3297, 0.3546

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.



64.0598, 0.3147, 0.3539



64.0598, 0.2951, 0.3021



64.0598, 0.3410, 0.3523

Square

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



64.0598, 0.2951, 0.3021



64.0598, 0.3387, 0.3281



64.0598, 0.3301, 0.3570



64.0598, 0.2873, 0.3291

Rectangle

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



64.0598, 0.2951, 0.3021



64.0598, 0.3209, 0.3114



64.0598, 0.3301, 0.3570



64.0598, 0.3041, 0.3476

Sweetspot

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



64.0625, 0.2951, 0.3021



94.1551, 0.3082, 0.3222



76.5421, 0.2968, 0.3313



19.8267, 0.3070, 0.3203



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.



64.0625, 0.2951, 0.3021



76.2536, 0.2919, 0.2973



64.6970, 0.3029, 0.3005



14.0645, 0.2980, 0.3066



3.5417, 0.1514, 0.0651



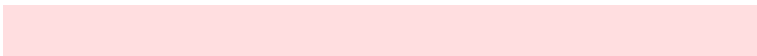
0.3242, 0.1552, 0.0786

Inverse Universe

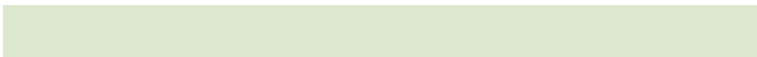
The Inverse Universe completely reimagines the original color for something new.



65.8547, 0.3313, 0.3269



78.8266, 0.3348, 0.3265



77.5711, 0.3218, 0.3573



14.3859, 0.3280, 0.3272



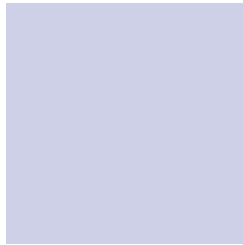
9.5552, 0.6315, 0.3252



0.7124, 0.6092, 0.3130

Previews

White Background



This preview shows how the Yxy color 64.0598, 0.2951, 0.3021 looks on a white background.

Color Contrast Check

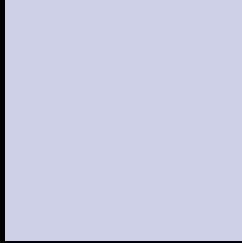
Large Text (above 18pt) WCAG AA × Fail

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 64.0598, 0.2951, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

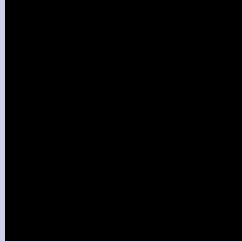
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

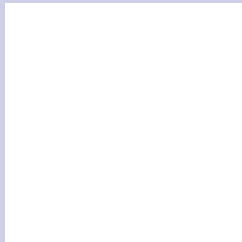
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0598, 0.2951, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 64.0598, 0.2951, 0.3021.

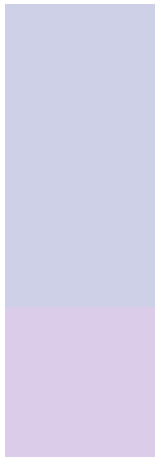


This preview shows how white text looks on a background with the Yxy color 64.0598, 0.2951, 0.3021.

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

64.0598, 0.2951, 0.3021

Protanopia

64.0598, 0.2951, 0.3021

Deuteranopia

64.1290, 0.3038, 0.2974



Tritanopia

64.0711, 0.2983, 0.3098

Trichromacy



Original Color

64.0598, 0.2951, 0.3021

Protanomaly

64.0598, 0.2951, 0.3021

Deuteranomaly

63.8420, 0.3001, 0.2981

Tritanomaly

64.1815, 0.2970, 0.3076

Monochromacy



Original Color

64.0598, 0.2951, 0.3021

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.2182, 0.3065, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0598, 0.2951, 0.3021 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(206, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(206, 208, 232)  
}
```

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(206, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 208, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.0598, 0.2951, 0.3021 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(206, 208, 232) }
```

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

```
.border{ border-color:rgb(206, 208, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(206, 208,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0598, 0.2951, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 208, 232) }
```

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

```
.background{ background-color: rgb(206,  
208, 232) }
```

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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