

Converting Colors

Yxy(70.0064, 0.2944, 0.3134)

Have a look what the booklet for
Yxy(70.0064, 0.2944, 0.3134)
contains.

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Color

Yxy(70.2487, 0.2941, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	CEDECA
RGB	206, 220, 234
RGB Percent	81%, 86%, 92%
CMY	0.1921, 0.1373, 0.0823
CMYK	0.12, 0.06, 0.00, 0.08
HSL	210°, 40%, 86%
HSV	210°, 12%, 92%
XYZ	65.9016, 70.2487, 87.9285
YIQ	217.4100, -12.8380, 1.3860

Conversions

Conversions Part 2

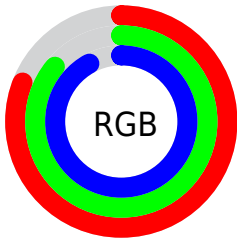
Format	Color
RYB	206, 215, 234
Decimal	13556970
CIELab	87.12, -1.93, -8.45
CIElCh	87, 8.673, 257.117
Yxy	70.2487, 0.2941, 0.3135
Android (android.graphics.Color)	4291747050 (0xFFCEDCEA)
YUV	217.4100, 8.1789, -10.0066
Hunter-Lab	83.8145, -6.3246, -3.5301

Details

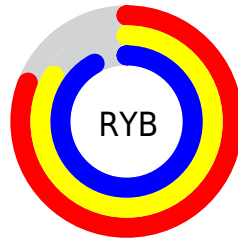
The Yxy color **70.2487, 0.2941, 0.3135** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1472, 0.3324, 0.3440**, and the grayscale version is **69.6368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8000, 0.2903, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **61.2152, 0.2779, 0.2989**, and if you desaturate by 10%, it is **80.2171, 0.3097, 0.3266**.

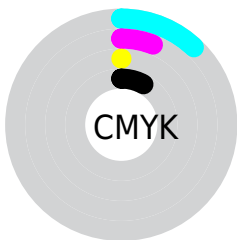
Distribution



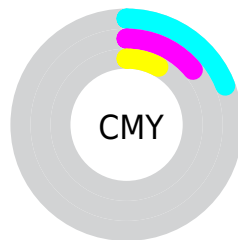
- Red (81%)
- Green (86%)
- Blue (92%)



- Red (81%)
- Yellow (84%)
- Blue (92%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2487, 0.2941, 0.3135 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 70.2487, 0.2941, 0.3135 by changing the saturation by 10% instead.

■ 70.2487, 0.2941,
0.3135

■ 70.2487, 0.2941,
0.3135

461.4228, 0.3027,
0.3207

■ 51.7293, 0.2921,
0.3118

119.5633, 0.2971,
0.3160

■ 36.7894, 0.2897,
0.3098

151.1274, 0.2983,
0.3170

■ 25.0444, 0.2866,
0.3071

187.8085, 0.2993,
0.3178

■ 16.1102, 0.2825,
0.3037

229.9909, 0.3001,
0.3186

■ 9.6021, 0.2770,
0.2989

278.0592, 0.3009,
0.3192

■ 5.1360, 0.2689,
0.2919

332.3977, 0.3016,

■ 2.3273, 0.2563,

0.3198

0.2809

393.3907, 0.3022,
0.3203

0.7881, 0.2320,
0.2605

0.0000, 0.0000,
0.0000

70.2487, 0.2941,
0.3135

70.2487, 0.2941,
0.3135

61.2152, 0.2779,
0.2989

80.2171, 0.3097,
0.3266

53.0772, 0.2615,
0.2829

91.1408, 0.3246,
0.3383

45.8050, 0.2451,
0.2654

98.7206, 0.3250,
0.3493

39.3635, 0.2293,
0.2469

■ 33.7151, 0.2146,
0.2275

■ 28.8180, 0.2014,
0.2078

■ 24.6258, 0.1904,
0.1882

■ 21.0837, 0.1818,
0.1694

■ 18.6436, 0.1764,
0.1551

Harmonies

Analogous

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



70.2487, 0.2924, 0.3202



70.2487, 0.2941, 0.3135



70.2487, 0.3007, 0.3110

Triad

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



70.2487, 0.2941, 0.3135



70.2487, 0.3297, 0.3282



70.2487, 0.3145, 0.3455

Complementary

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



70.2487, 0.2941, 0.3135



73.1472, 0.3324, 0.3440

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.



70.2487, 0.3246, 0.3475



70.2487, 0.2941, 0.3135



70.2487, 0.3335, 0.3373

Square

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



70.2487, 0.2941, 0.3135



70.2487, 0.3213, 0.3194



70.2487, 0.3316, 0.3444



70.2487, 0.3041, 0.3389

Rectangle

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



70.2487, 0.2941, 0.3135



70.2487, 0.3071, 0.3120



70.2487, 0.3316, 0.3444



70.2487, 0.3181, 0.3467

Sweetspot

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



70.2516, 0.2941, 0.3135



94.9033, 0.3066, 0.3240



77.1393, 0.3027, 0.3444



20.1125, 0.3054, 0.3231



0.0000, 0.0000, 0.0000



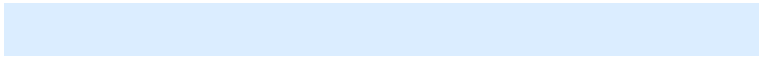
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2516, 0.2941, 0.3135



82.9743, 0.2907, 0.3106



63.2167, 0.2938, 0.2977



15.7924, 0.2981, 0.3169



10.7282, 0.1772, 0.1579



1.0348, 0.1842, 0.1830

Inverse Universe

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



66.8117, 0.3240, 0.3141



78.2021, 0.3263, 0.3114



80.7969, 0.3306, 0.3585



15.1796, 0.3215, 0.3173



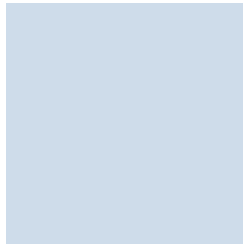
10.5758, 0.4958, 0.2505



0.8499, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 70.2487, 0.2941, 0.3135 looks on a white background.

Color Contrast Check

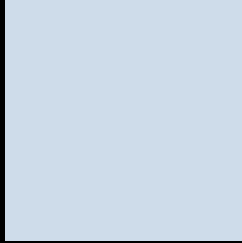
Large Text (above 18pt) WCAG AA × Fail

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 70.2487, 0.2941, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

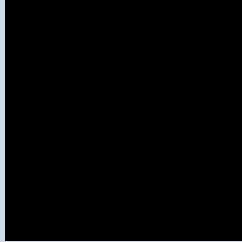
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

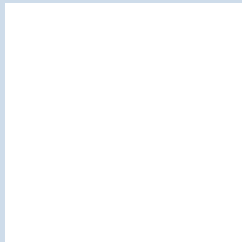
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2487, 0.2941, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 70.2487, 0.2941, 0.3135.

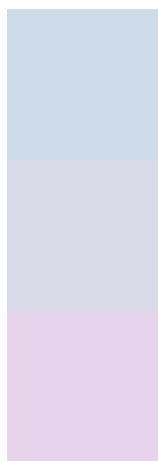


This preview shows how white text looks on a background with the Yxy color 70.2487, 0.2941, 0.3135.

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

70.2487, 0.2941, 0.3135

Protanopia

70.3573, 0.3036, 0.3127

Deuteranopia

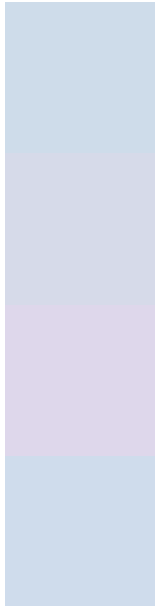
70.1320, 0.3103, 0.3037



Tritanopia

70.5662, 0.2929, 0.3103

Trichromacy



Original Color

70.2487, 0.2941, 0.3135

Protanomaly

70.3221, 0.3001, 0.3126

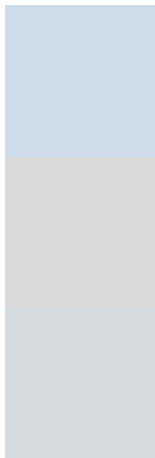
Deuteranomaly

70.1286, 0.3044, 0.3076

Tritanomaly

70.5079, 0.2935, 0.3114

Monochromacy



Original Color

70.2487, 0.2941, 0.3135

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6167, 0.3059, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2487, 0.2941, 0.3135 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, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 234)  
}
```

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, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.2487, 0.2941, 0.3135 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, 220, 234) }
```

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

```
.border{ border-color:rgb(206, 220, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 220, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 220, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 220, 234); box-shadow:4px 4px 4px 4px rgb(206, 220, 234) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.2487, 0.2941, 0.3135$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 234) }
```

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

```
.background{ background-color: rgb(206,  
220, 234) }
```

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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