

Converting Colors

$Yxy(72.3253, 0.2857, 0.3045)$

Have a look what the booklet for
Yxy(72.3253, 0.2857, 0.3045)
contains.

Yxy(72.2665, 0.2857, 0.3040)	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(72.2665, 0.2857, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	CCDFF6
RGB	204, 223, 246
RGB Percent	80%, 87%, 96%
CMY	0.2001, 0.1254, 0.0354
CMYK	0.17, 0.09, 0.00, 0.04
HSL	213°, 70%, 88%
HSV	213°, 17%, 96%
XYZ	67.9162, 72.2665, 97.5360
YIQ	219.9410, -18.7070, 3.1250

Conversions

Conversions Part 2

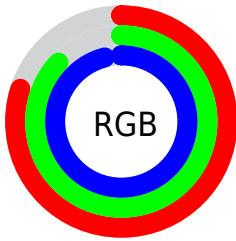
Format	Color
RYB	204, 217, 246
Decimal	13426678
CIELab	88.10, -1.68, -13.32
CIELCh	88, 13.425, 262.790
Yxy	72.2665, 0.2857, 0.3040
Android (android.graphics.Color)	4291616758 (0xFFCCDFF6)
YUV	219.9410, 12.8471, -13.9803
Hunter-Lab	85.0097, -6.1591, -8.5197

Details

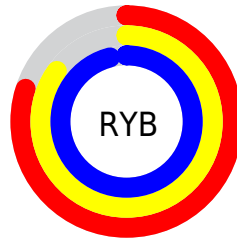
The Yxy color `72.2665, 0.2857, 0.3040` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.8528, 0.3416, 0.3528`, and the grayscale version is `71.4442, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.1125, 0.2789, 0.2978` is the 20% darker color. If you saturate the color by 10%, you get `62.1602, 0.2690, 0.2871`, and if you desaturate by 10%, it is `83.4985, 0.3018, 0.3192`.

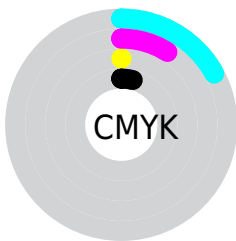
Distribution



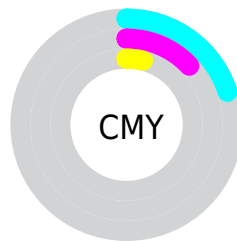
- Red (80%)
- Green (87%)
- Blue (96%)



- Red (80%)
- Yellow (85%)
- Blue (96%)



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



- Cyan (20%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2665, 0.2857, 0.3040 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 72.2665, 0.2857, 0.3040 by changing the saturation by 10% instead.

■ 72.2665, 0.2857,
0.3040

■ 72.2665, 0.2857,
0.3040

468.4687, 0.2981,
0.3156

■ 53.3764, 0.2829,
0.3014

122.4353, 0.2900,
0.3080

■ 38.1033, 0.2794,
0.2981

154.4829, 0.2917,
0.3096

■ 26.0629, 0.2750,
0.2940

191.6850, 0.2931,
0.3109

■ 16.8707, 0.2693,
0.2886

234.4262, 0.2944,
0.3121

■ 10.1423, 0.2616,
0.2813

283.0907, 0.2955,
0.3131

■ 5.4934, 0.2506,
0.2708

338.0631, 0.2965,

■ 2.5396, 0.2338,

0.3140

0.2546

399.7276, 0.2973,
0.3148

0.8964, 0.2050,
0.2266

0.0000, 0.0000,
0.0000

72.2665, 0.2857,
0.3040

72.2665, 0.2857,
0.3040

62.1602, 0.2690,
0.2871

83.4985, 0.3018,
0.3192

53.1317, 0.2521,
0.2686

95.8841, 0.3171,
0.3328

45.1426, 0.2354,
0.2487

99.4322, 0.3179,
0.3376

38.1484, 0.2194,
0.2278

■ 32.1007, 0.2048,
0.2062

■ 26.9457, 0.1920,
0.1848

■ 22.6226, 0.1817,
0.1641

■ 19.0566, 0.1740,
0.1448

■ 18.1271, 0.1721,
0.1395

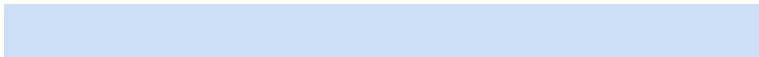
Harmonies

Analogous

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



72.2665, 0.2816, 0.3130



72.2665, 0.2857, 0.3040



72.2665, 0.2969, 0.3018

Triad

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



72.2665, 0.2857, 0.3040



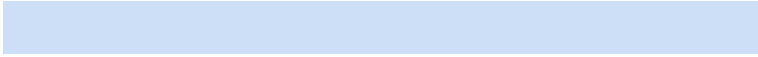
72.2665, 0.3406, 0.3302



72.2665, 0.3122, 0.3531

Complementary

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



72.2665, 0.2857, 0.3040



78.8528, 0.3416, 0.3528

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.



72.2665, 0.3282, 0.3576



72.2665, 0.2857, 0.3040



72.2665, 0.3448, 0.3438

Square

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



72.2665, 0.2857, 0.3040



72.2665, 0.3286, 0.3167



72.2665, 0.3402, 0.3540



72.2665, 0.2967, 0.3417

Rectangle

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



72.2665, 0.2857, 0.3040



72.2665, 0.3071, 0.3042



72.2665, 0.3402, 0.3540



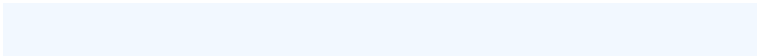
72.2665, 0.3177, 0.3555

Sweetspot

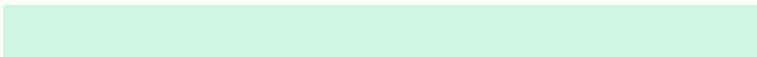
The Sweet Spot groups the original color and five complimentary colors.



72.2695, 0.2857, 0.3040



93.2940, 0.3050, 0.3222



84.2421, 0.2977, 0.3502



19.7725, 0.3039, 0.3212



0.0000, 0.0000, 0.0000



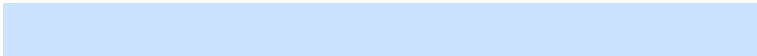
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2695, 0.2857, 0.3040



75.0585, 0.2808, 0.2992



62.8621, 0.2856, 0.2828



17.1638, 0.2980, 0.3157



9.9498, 0.1729, 0.1424



1.0770, 0.1795, 0.1663

Inverse Universe

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



68.0931, 0.3312, 0.3093



69.9981, 0.3351, 0.3058



89.5905, 0.3375, 0.3716



16.6074, 0.3222, 0.3183



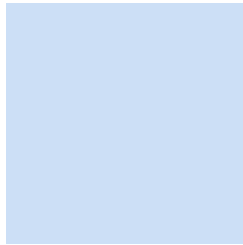
11.1038, 0.5158, 0.2615



0.9964, 0.4852, 0.2447

Previews

White Background



This preview shows how the Yxy color 72.2665, 0.2857, 0.3040 looks on a white background.

Color Contrast Check

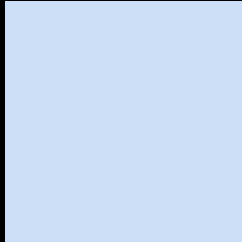
Large Text (above 18pt) WCAG AA × Fail

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 72.2665, 0.2857, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

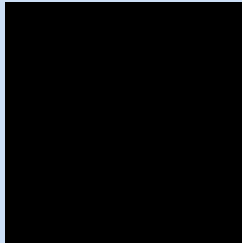
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

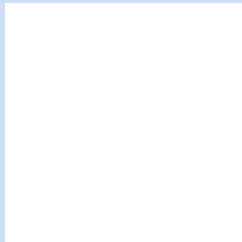
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2665, 0.2857, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 72.2665, 0.2857, 0.3040.



This preview shows how white text looks on a background with the Yxy color 72.2665, 0.2857, 0.3040.

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

72.2665, 0.2857, 0.3040

Protanopia

72.1001, 0.2960, 0.3024

Deuteranopia

72.2012, 0.3016, 0.2948



Tritanopia

72.4186, 0.2875, 0.3093

Trichromacy



Original Color

72.2665, 0.2857, 0.3040

Protanomaly

71.9251, 0.2920, 0.3021

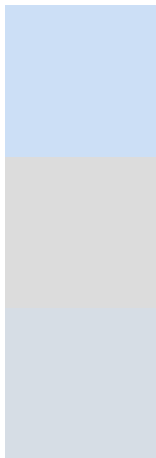
Deuteranomaly

72.2304, 0.2961, 0.2984

Tritanomaly

72.4789, 0.2869, 0.3082

Monochromacy



Original Color

72.2665, 0.2857, 0.3040

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.6662, 0.3027, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2665, 0.2857, 0.3040 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(204, 223, 246)` looks like.

```
.text, #text, p{  
    color:rgb(204, 223, 246)  
}
```

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(204, 223, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 223, 246) }
```

Border

The CSS property to change the border of an element to Yxy 72.2665, 0.2857, 0.3040 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(204, 223, 246) }
```

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

```
.border{ border-color:rgb(204, 223, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 223, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 223, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 223, 246);  
box-shadow:4px 4px 4px 4px rgb(204, 223,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2665, 0.2857, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 223, 246) }
```

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

```
.background{ background-color: rgb(204,  
223, 246) }
```

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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