

Converting Colors

$Yxy(66.0554, 0.2645, 0.3028)$

Have a look what the booklet for
Yxy(66.0554, 0.2645, 0.3028)
contains.

Yxy(65.7645, 0.2641, 0.3021)	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(65.7645, 0.2641, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	A6DCF3
RGB	166, 220, 243
RGB Percent	65%, 86%, 95%
CMY	0.3490, 0.1372, 0.0472
CMYK	0.32, 0.09, 0.00, 0.05
HSL	198°, 76%, 80%
HSV	198°, 32%, 95%
XYZ	57.4922, 65.7645, 94.4344
YIQ	206.4760, -39.5670, -4.2950

Conversions

Conversions Part 2

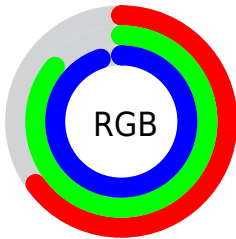
Format	Color
R _Y B	166, 198, 243
Decimal	10935539
CIE Lab	84.88, -11.95, -16.81
CIE LCh	85, 20.624, 234.576
Yxy	65.7645, 0.2641, 0.3021
Android (android.graphics.Color)	4289125619 (0xFFA6DCF3)
YUV	206.4760, 18.0063, -35.4975
Hunter-Lab	81.0953, -15.3699, -12.2757

Details

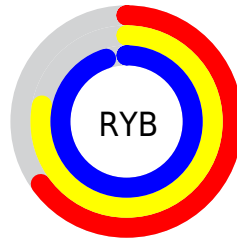
The Yxy color **65.7645, 0.2641, 0.3021** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.1809, 0.3776, 0.3542**, and the grayscale version is **61.9439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **33.8776, 0.2523, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **59.6618, 0.2497, 0.2921**, and if you desaturate by 10%, it is **72.5334, 0.2792, 0.3114**.

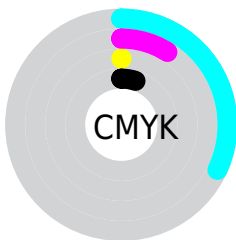
Distribution



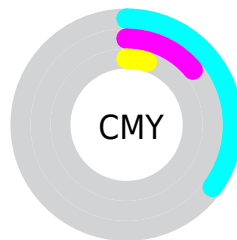
- Red (65%)
- Green (86%)
- Blue (95%)



- Red (65%)
- Yellow (78%)
- Blue (95%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)




- Cyan (35%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7645, 0.2641, 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 65.7645, 0.2641, 0.3021 by changing the saturation by 10% instead.

 65.7645, 0.2641,
0.3021

 65.7645, 0.2641,
0.3021


445.5342, 0.2866,
0.3151

 48.0813, 0.2590,
0.2990


 113.1483, 0.2719,
0.3067

 33.8912, 0.2527,
0.2952


 143.6176, 0.2749,
0.3085

 22.8101, 0.2447,
0.2902


179.1177, 0.2775,
0.3100

 14.4533, 0.2343,
0.2836

220.0330, 0.2798,
0.3113

 8.4366, 0.2204,
0.2743

266.7479, 0.2818,
0.3124

 4.3756, 0.2006,
0.2605

319.6468, 0.2836,

 1.8858, 0.1708,

0.3134

379.1141, 0.2852,
0.3143

0.2383

0.5398, 0.0800,
0.1953

0.0000, 0.0000,
0.0000

65.7645, 0.2641,
0.3021

65.7645, 0.2641,
0.3021

59.6618, 0.2497,
0.2921

72.5334, 0.2792,
0.3114

54.1873, 0.2364,
0.2814

79.9886, 0.2946,
0.3200

49.3109, 0.2245,
0.2704

88.1586, 0.3101,
0.3278

44.9959, 0.2144,
0.2590

95.4821, 0.3201,
0.3348

■ 41.2005, 0.2062,
0.2475

■ 99.2494, 0.3197,
0.3405

■ 37.8748, 0.2001,
0.2362

■ 35.4023, 0.1964,
0.2269

Harmonies

Analogous

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



65.7645, 0.2694, 0.3236



65.7645, 0.2641, 0.3021



65.7645, 0.2711, 0.2891

Triad

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



65.7645, 0.2641, 0.3021



65.7645, 0.3393, 0.3108



65.7645, 0.3355, 0.3747

Complementary

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



65.7645, 0.2641, 0.3021



58.1809, 0.3776, 0.3542

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.



65.7645, 0.3554, 0.3690



65.7645, 0.2641, 0.3021



65.7645, 0.3579, 0.3317

Square

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



65.7645, 0.2641, 0.3021



65.7645, 0.3138, 0.2946



65.7645, 0.3638, 0.3529



65.7645, 0.3100, 0.3671

Rectangle

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



65.7645, 0.2641, 0.3021



65.7645, 0.2819, 0.2863



65.7645, 0.3638, 0.3529



65.7645, 0.3431, 0.3742

Sweetspot

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



65.7671, 0.2641, 0.3021



90.7224, 0.2972, 0.3213



75.8136, 0.2964, 0.3954



19.1532, 0.2950, 0.3202



0.0000, 0.0000, 0.0000



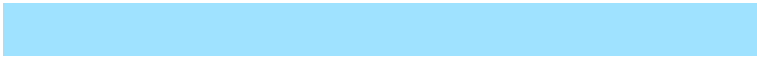
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7671, 0.2641, 0.3021



68.9424, 0.2548, 0.2957



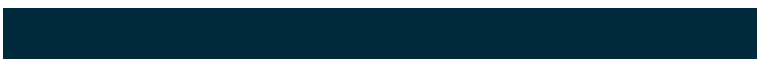
48.3091, 0.2586, 0.2561



17.8742, 0.2980, 0.3218



19.6816, 0.1969, 0.2287



1.9087, 0.2008, 0.2427

Inverse Universe

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



51.4889, 0.3355, 0.2720



51.2439, 0.3415, 0.2603



76.3556, 0.3656, 0.3925



16.6791, 0.3184, 0.3125



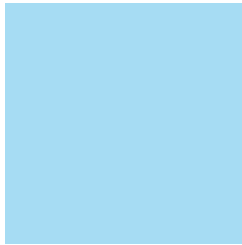
12.0862, 0.4140, 0.2054



1.0803, 0.3995, 0.1974

Previews

White Background



This preview shows how the Yxy color 65.7645, 0.2641, 0.3021 looks on a white background.

Color Contrast Check

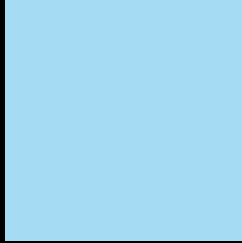
Large Text (above 18pt) WCAG AA × Fail

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 65.7645, 0.2641, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

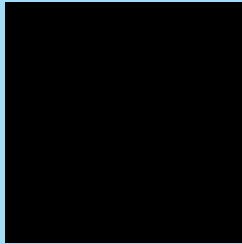
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7645, 0.2641, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 65.7645, 0.2641, 0.3021.



This preview shows how white text looks on a background with the Yxy color 65.7645, 0.2641, 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

65.7645, 0.2641, 0.3021

Protanopia

65.5592, 0.2940, 0.3002

Deuteranopia

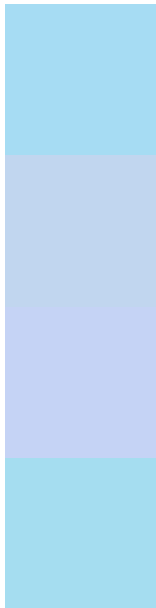
65.2435, 0.2924, 0.2859



Tritanopia

65.8853, 0.2663, 0.3089

Trichromacy



Original Color

65.7645, 0.2641, 0.3021

Protanomaly

65.6626, 0.2822, 0.3007

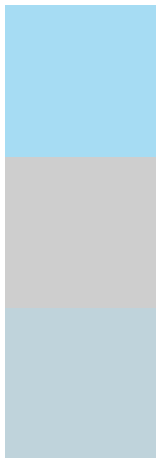
Deuteranomaly

65.0514, 0.2810, 0.2911

Tritanomaly

66.0035, 0.2653, 0.3066

Monochromacy



Original Color

65.7645, 0.2641, 0.3021

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7794, 0.2930, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7645, 0.2641, 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(166, 220, 243)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 243)  
}
```

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(166, 220, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 243) }
```

Border

The CSS property to change the border of an element to Yxy 65.7645, 0.2641, 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(166, 220, 243) }
```

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

```
.border{ border-color:rgb(166, 220, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 220, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 243);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7645, 0.2641, 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(166, 220, 243) }
```

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

```
.background{ background-color: rgb(166,  
220, 243) }
```

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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