

Converting Colors

$Y_{xy}(50.7003, 0.2762, 0.2984)$

Have a look what the booklet for
Yxy(50.7003, 0.2762, 0.2984)
contains.

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Color

Yxy(50.7641, 0.2763, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	A6C0D8
RGB	166, 192, 216
RGB Percent	65%, 75%, 85%
CMY	0.3489, 0.2471, 0.1530
CMYK	0.23, 0.11, 0.00, 0.15
HSL	209°, 39%, 75%
HSV	209°, 23%, 85%
XYZ	46.9729, 50.7641, 72.2700
YIQ	186.9620, -23.2000, 1.9520

Conversions

Conversions Part 2

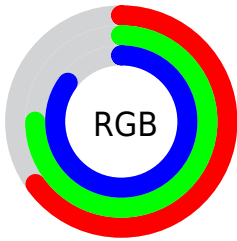
Format	Color
RYB	166, 183, 216
Decimal	10928344
CIELab	76.54, -3.55, -14.92
CIELCh	77, 15.332, 256.613
Yxy	50.7641, 0.2763, 0.2986
Android (android.graphics.Color)	4289118424 (0xFFA6C0D8)
YUV	186.9620, 14.3157, -18.3837
Hunter-Lab	71.2489, -7.0043, -10.2654

Details

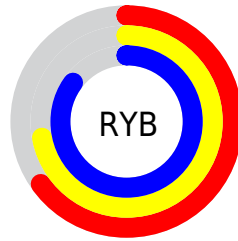
The Yxy color **50.7641, 0.2763, 0.2986** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1826, 0.3538, 0.3576**, and the grayscale version is **49.6029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8844, 0.2927, 0.3218**, and **24.5492, 0.2666, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **44.2296, 0.2601, 0.2832**, and if you desaturate by 10%, it is **58.0156, 0.2924, 0.3127**.

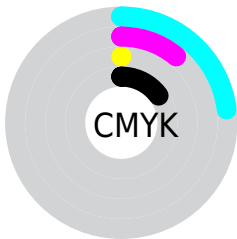
Distribution



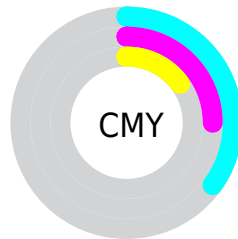
- Red (65%)
- Green (75%)
- Blue (85%)



- Red (65%)
- Yellow (72%)
- Blue (85%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (35%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7641, 0.2763, 0.2986 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 50.7641, 0.2763, 0.2986 by changing the saturation by 10% instead.

■ 50.7641, 0.2763,
0.2986

■ 50.7641, 0.2763,
0.2986

■ 389.6466, 0.2941,
0.3136

■ 36.0209, 0.2720,
0.2949

■ 91.3060, 0.2826,
0.3040

■ 24.4503, 0.2666,
0.2903

■ 117.8734, 0.2851,
0.3060

■ 15.6680, 0.2595,
0.2841

■ 149.1511, 0.2871,
0.3078

■ 9.2895, 0.2499,
0.2757

■ 185.5234, 0.2889,
0.3093

■ 4.9305, 0.2363,
0.2636

■ 227.3747, 0.2904,
0.3106

■ 2.2066, 0.2152,
0.2446

■ 275.0894, 0.2918,

■ 0.7236, 0.1747,

0.3117

0.2103

329.0519, 0.2930,
0.3127

0.0000, 0.0000,
0.0000

50.7641, 0.2763,
0.2986

50.7641, 0.2763,
0.2986

44.2296, 0.2601,
0.2832

58.0156, 0.2924,
0.3127

38.3797, 0.2440,
0.2665

66.0024, 0.3080,
0.3253

33.1885, 0.2286,
0.2487

74.7499, 0.3229,
0.3366

28.6257, 0.2144,
0.2302

84.2801, 0.3371,
0.3466

24.6576, 0.2018,
0.2114

90.8255, 0.3374,
0.3566

■ 21.2467, 0.1912,
0.1927

■ 97.2374, 0.3359,
0.3664

■ 18.3485, 0.1831,
0.1747

■ 97.7365, 0.3358,
0.3671

■ 16.6062, 0.1786,
0.1628

Harmonies

Analogous

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



50.7641, 0.2732, 0.3115



50.7641, 0.2763, 0.2986



50.7641, 0.2888, 0.2941

Triad

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



50.7641, 0.2763, 0.2986



50.7641, 0.3461, 0.3267



50.7641, 0.3163, 0.3623

Complementary

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



50.7641, 0.2763, 0.2986



54.1826, 0.3538, 0.3576

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.



50.7641, 0.3363, 0.3657



50.7641, 0.2763, 0.2986



50.7641, 0.3539, 0.3443

Square

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



50.7641, 0.2763, 0.2986



50.7641, 0.3291, 0.3101



50.7641, 0.3502, 0.3588



50.7641, 0.2959, 0.3490

Rectangle

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



50.7641, 0.2763, 0.2986



50.7641, 0.3012, 0.2960



50.7641, 0.3502, 0.3588



50.7641, 0.3233, 0.3646

Sweetspot

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



50.7662, 0.2763, 0.2986



91.4235, 0.3019, 0.3205



60.8985, 0.2949, 0.3627



19.4156, 0.3009, 0.3197



0.0000, 0.0000, 0.0000



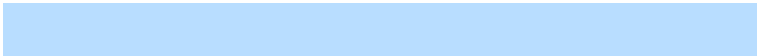
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7662, 0.2763, 0.2986



68.9254, 0.2680, 0.2908



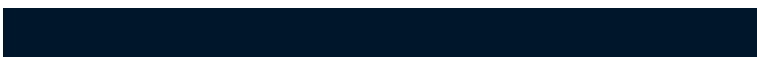
40.9634, 0.2738, 0.2666



13.0661, 0.2982, 0.3175



10.0492, 0.1793, 0.1654



0.7715, 0.1877, 0.1958

Inverse Universe

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



45.6871, 0.3361, 0.2984



60.5805, 0.3428, 0.2912



65.5995, 0.3478, 0.3846



12.5276, 0.3211, 0.3169



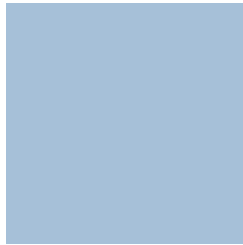
9.3593, 0.4864, 0.2453



0.5812, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 50.7641, 0.2763, 0.2986 looks on a white background.

Color Contrast Check

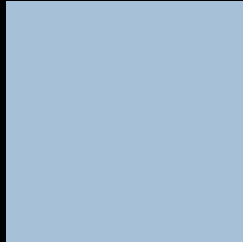
Large Text (above 18pt) WCAG AA × Fail

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 50.7641, 0.2763, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

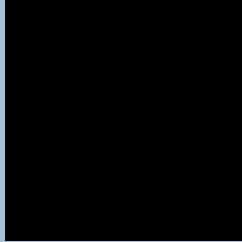
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

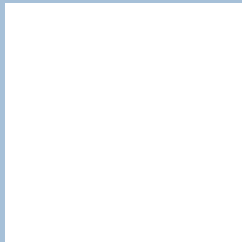
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7641, 0.2763, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 50.7641, 0.2763, 0.2986.



This preview shows how white text looks on a background with the Yxy color 50.7641, 0.2763, 0.2986.

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

50.7641, 0.2763, 0.2986

Protanopia

50.6590, 0.2919, 0.2970

Deuteranopia

50.6804, 0.2945, 0.2882



Tritanopia

50.7427, 0.2802, 0.3084

Trichromacy



Original Color

50.7641, 0.2763, 0.2986

Protanomaly

50.7152, 0.2860, 0.2979

Deuteranomaly

50.6177, 0.2876, 0.2922

Tritanomaly

50.8927, 0.2782, 0.3047

Monochromacy



Original Color

50.7641, 0.2763, 0.2986

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.0561, 0.2980, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7641, 0.2763, 0.2986 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, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 192, 216)  
}
```

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, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 192, 216) }
```

Border

The CSS property to change the border of an element to Yxy 50.7641, 0.2763, 0.2986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

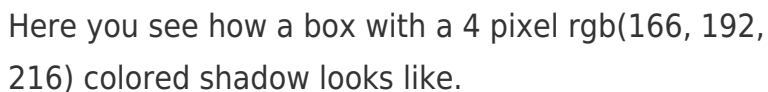
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 192, 216) }
```

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

```
.border{ border-color:rgb(166, 192, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 192, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 192, 216); box-shadow:4px 4px 4px 4px rgb(166, 192, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7641, 0.2763, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 192, 216) }
```

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

```
.background{ background-color: rgb(166,  
192, 216) }
```

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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