

Converting Colors

$Y_{xy}(40.9285, 0.2368, 0.2846)$

Have a look what the booklet for
Yxy(40.9285, 0.2368, 0.2846)
contains.

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Color

Yxy(41.0267, 0.2365, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	65B6D5
RGB	101, 182, 213
RGB Percent	40%, 71%, 84%
CMY	0.6039, 0.2863, 0.1647
CMYK	0.53, 0.15, 0.00, 0.16
HSL	197°, 57%, 62%
HSV	197°, 53%, 84%
XYZ	34.1048, 41.0267, 69.0748
YIQ	161.3150, -58.2270, -7.5310

Conversions

Conversions Part 2

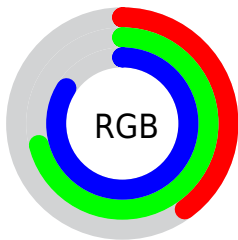
Format	Color
RYB	101, 148, 213
Decimal	6665941
CIELab	70.19, -16.23, -23.24
CIElCh	70, 28.344, 235.072
Yxy	41.0267, 0.2365, 0.2845
Android (android.graphics.Color)	4284856021 (0xFF65B6D5)
YUV	161.3150, 25.4807, -52.8963
Hunter-Lab	64.0521, -17.0481, -19.1029

Details

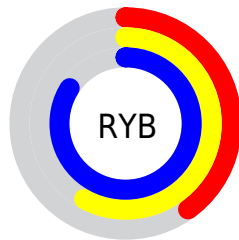
The Yxy color **41.0267, 0.2365, 0.2845** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **31.5888, 0.4422, 0.3672**, and the grayscale version is **35.6947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7400, 0.2573, 0.3097**, and **18.5625, 0.2158, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **37.5897, 0.2251, 0.2743**, and if you desaturate by 10%, it is **44.8871, 0.2494, 0.2943**.

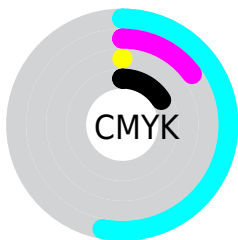
Distribution



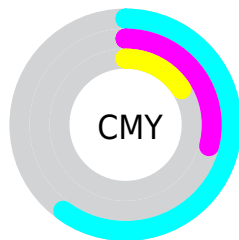
- Red (40%)
- Green (71%)
- Blue (84%)



- Red (40%)
- Yellow (58%)
- Blue (84%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0267, 0.2365, 0.2845 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 41.0267, 0.2365, 0.2845 by changing the saturation by 10% instead.

■ 41.0267, 0.2365,
0.2845

■ 41.0267, 0.2365,
0.2845

■ 350.4322, 0.2742,
0.3078

■ 28.3399, 0.2273,
0.2784

■ 76.7244, 0.2500,
0.2932

■ 18.5821, 0.2157,
0.2706

■ 100.5042, 0.2552,
0.2963

■ 11.3687, 0.2007,
0.2599

■ 128.7504, 0.2595,
0.2990

■ 6.3154, 0.1804,
0.2449

■ 161.8475, 0.2633,
0.3013

■ 3.0378, 0.1520,
0.2223

■ 200.1798, 0.2665,
0.3033

■ 1.1515, 0.1094,
0.1862

■ 244.1318, 0.2694,

■ 0.0215, 0.0000,

0.3050

0.0117

294.0878, 0.2719,
0.3065

0.0000, 0.0000,
0.0000

41.0267, 0.2365,
0.2845

41.0267, 0.2365,
0.2845

37.5897, 0.2251,
0.2743

44.8871, 0.2494,
0.2943

34.5449, 0.2154,
0.2640

49.1898, 0.2634,
0.3035

31.8639, 0.2077,
0.2535

53.9581, 0.2782,
0.3121

29.5103, 0.2020,
0.2431

59.2120, 0.2934,
0.3200

27.9318, 0.1988,
0.2355

64.9700, 0.3088,
0.3273

71.2499, 0.3240,
0.3338

78.0682, 0.3390,
0.3396

82.1961, 0.3416,
0.3453

85.5176, 0.3407,
0.3511

Harmonies

Analogous

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



41.0267, 0.2441, 0.3183



41.0267, 0.2365, 0.2845



41.0267, 0.2474, 0.2655

Triad

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



41.0267, 0.2365, 0.2845



41.0267, 0.3559, 0.3005



41.0267, 0.3476, 0.4036

Complementary

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



41.0267, 0.2365, 0.2845



31.5888, 0.4422, 0.3672

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.



41.0267, 0.3804, 0.3925



41.0267, 0.2365, 0.2845



41.0267, 0.3862, 0.3326

Square

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



41.0267, 0.2365, 0.2845



41.0267, 0.3144, 0.2758



41.0267, 0.3952, 0.3657



41.0267, 0.3067, 0.3917

Rectangle

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



41.0267, 0.2365, 0.2845



41.0267, 0.2642, 0.2620



41.0267, 0.3952, 0.3657



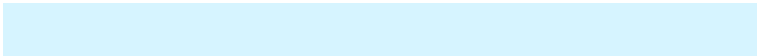
41.0267, 0.3600, 0.4022

Sweetspot

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



41.0282, 0.2365, 0.2845



86.0716, 0.2879, 0.3173



51.9927, 0.2893, 0.4523



18.0702, 0.2847, 0.3156



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.



41.0282, 0.2365, 0.2845



55.9760, 0.2240, 0.2733



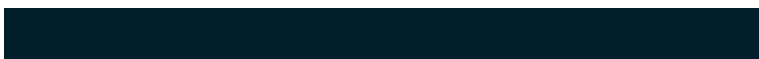
22.7840, 0.2195, 0.2002



13.4996, 0.2982, 0.3224



17.2403, 0.1992, 0.2370



1.1754, 0.2041, 0.2548

Inverse Universe

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



26.8314, 0.3535, 0.2340



34.0077, 0.3655, 0.2182



50.5720, 0.4039, 0.4298



12.5713, 0.3180, 0.3123



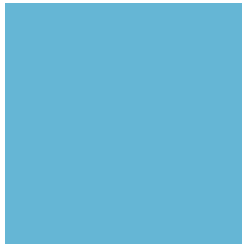
10.0853, 0.4054, 0.2007



0.6220, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 41.0267, 0.2365, 0.2845 looks on a white background.

Color Contrast Check

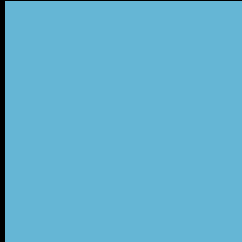
Large Text (above 18pt) WCAG AA × Fail

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 41.0267, 0.2365, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

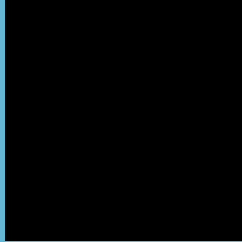
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0267, 0.2365, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 41.0267, 0.2365, 0.2845.

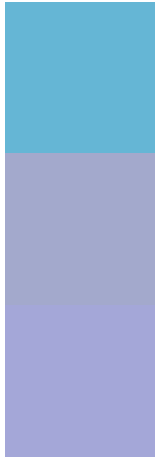


This preview shows how white text looks on a background with the Yxy color 41.0267, 0.2365, 0.2845.

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

41.0267, 0.2365, 0.2845

Protanopia

40.5221, 0.2800, 0.2823

Deuteranopia

40.4878, 0.2721, 0.2653



Tritanopia

40.8913, 0.2419, 0.3066

Trichromacy



Original Color

41.0267, 0.2365, 0.2845

Protanomaly

40.3525, 0.2613, 0.2833

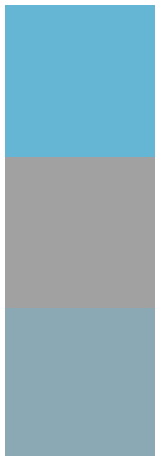
Deuteranomaly

40.0741, 0.2566, 0.2706

Tritanomaly

40.8233, 0.2400, 0.2981

Monochromacy



Original Color

41.0267, 0.2365, 0.2845

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.1602, 0.2783, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0267, 0.2365, 0.2845 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(101, 182, 213)` looks like.

```
.text, #text, p{  
    color:rgb(101, 182, 213)  
}
```

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(101, 182, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 182, 213) }
```

Border

The CSS property to change the border of an element to Yxy 41.0267, 0.2365, 0.2845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

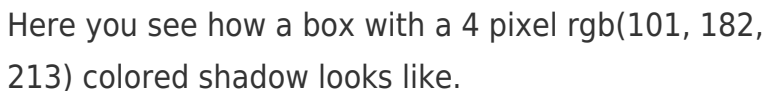
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 182, 213) }
```

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

```
.border{ border-color:rgb(101, 182, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 182, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 182, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 182, 213); box-shadow:4px 4px 4px 4px rgb(101, 182, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0267, 0.2365, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 182, 213) }
```

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

```
.background{ background-color: rgb(101,  
182, 213) }
```

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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