

Converting Colors

$Y_{xy}(41.9800, 0.2167, 0.2306)$

Have a look what the booklet for
Yxy(41.9800, 0.2167, 0.2306)
contains.

| | |
|--|----|
| Yxy(41.8275, 0.2164, 0.2301) | 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(41.8275, 0.2164, 0.2301)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 65B2FF |
| RGB | 101, 178, 255 |
| RGB Percent | 40%, 70%, 100% |
| CMY | 0.6039, 0.3019, 0.0000 |
| CMYK | 0.60, 0.30, 0.00, 0.00 |
| HSL | 210°, 100%, 70% |
| HSV | 210°, 60%, 100% |
| XYZ | 39.3371, 41.8275, 100.6150 |
| YIQ | 163.7550, -70.6090, 7.6230 |

Conversions

Conversions Part 2

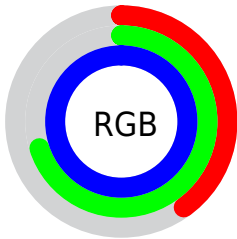
| Format | Color |
|-------------------------------------|---|
| RYB | 101, 152, 255 |
| Decimal | 6664959 |
| CIELab | 70.75, -1.32, -45.23 |
| CIElCh | 71, 45.251, 268.332 |
| Yxy | 41.8275, 0.2164, 0.2301 |
| Android (android.graphics.Color) | 4284855039 (0xFF65B2FF) |
| YUV | 163.7550, 44.9838, -55.0361 |
| Hunter-Lab | 64.6742, -4.6098, -46.9668 |

Details

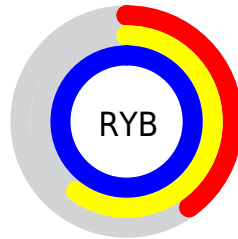
The Yxy color **41.8275, 0.2164, 0.2301** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.0366, 0.4469, 0.4058**, and the grayscale version is **36.8092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2844, 0.2584, 0.3040**, and **19.1374, 0.1922, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **35.7379, 0.2030, 0.2103**, and if you desaturate by 10%, it is **48.8468, 0.2314, 0.2495**.

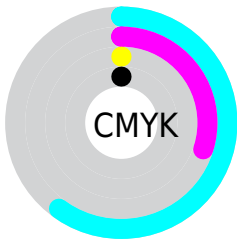
Distribution



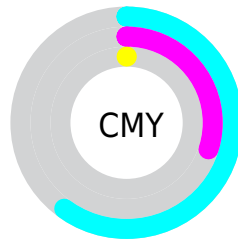
- Red (40%)
- Green (70%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8275, 0.2164, 0.2301 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 41.8275, 0.2164, 0.2301 by changing the saturation by 10% instead.

■ 41.8275, 0.2164,
0.2301

■ 41.8275, 0.2164,
0.2301

353.7674, 0.2630,
0.2782

■ 28.9662, 0.2055,
0.2188

■ 77.9385, 0.2328,
0.2471

■ 19.0553, 0.1921,
0.2049

■ 101.9570, 0.2392,
0.2536

■ 11.7102, 0.1751,
0.1873

■ 130.4634, 0.2446,
0.2592

■ 6.5467, 0.1534,
0.1646

163.8421, 0.2493,
0.2640

■ 3.1803, 0.1251,
0.1350

202.4774, 0.2534,
0.2682

■ 1.2266, 0.0885,
0.0964

246.7538, 0.2570,

■ 0.0832, 0.0083,

0.2720

0.0147

297.0557, 0.2602,
0.2752

0.0000, 0.0000,
0.0000

41.8275, 0.2164,
0.2301

41.8275, 0.2164,
0.2301

35.7379, 0.2030,
0.2103

48.8468, 0.2314,
0.2495

30.5187, 0.1916,
0.1907

56.8437, 0.2474,
0.2680

26.1053, 0.1827,
0.1717

65.8651, 0.2638,
0.2853

22.5309, 0.1763,
0.1545

75.9537, 0.2803,
0.3012

87.1492, 0.2965,
0.3156

99.4891, 0.3121,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



41.8275, 0.1978, 0.2534



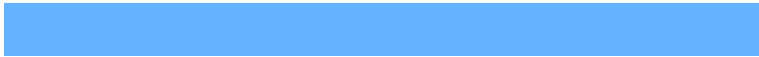
41.8275, 0.2164, 0.2301



41.8275, 0.2593, 0.2307

Triad

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



41.8275, 0.2164, 0.2301



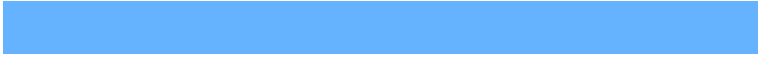
41.8275, 0.4333, 0.3365



41.8275, 0.2939, 0.4284

Complementary

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



41.8275, 0.2164, 0.2301



54.0366, 0.4469, 0.4058

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.



41.8275, 0.3576, 0.4492



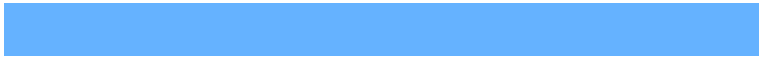
41.8275, 0.2164, 0.2301



41.8275, 0.4416, 0.3862

Square

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



41.8275, 0.2164, 0.2301



41.8275, 0.3873, 0.2893



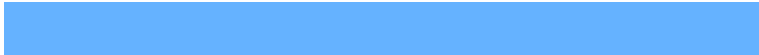
41.8275, 0.4122, 0.4292



41.8275, 0.2386, 0.3696

Rectangle

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



41.8275, 0.2164, 0.2301



41.8275, 0.2992, 0.2428



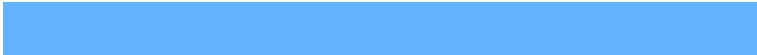
41.8275, 0.4122, 0.4292



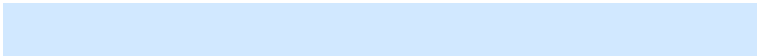
41.8275, 0.3151, 0.4404

Sweetspot

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



41.8283, 0.2164, 0.2301



78.5323, 0.2842, 0.3048



77.3984, 0.2725, 0.4313



16.1402, 0.2795, 0.3004



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.



41.8283, 0.2164, 0.2301



34.8428, 0.2010, 0.2071



19.7987, 0.1952, 0.1365



18.8786, 0.2979, 0.3168



12.0715, 0.1771, 0.1574



1.3938, 0.1828, 0.1780

Inverse Universe

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



33.7806, 0.4039, 0.2530



28.4693, 0.4315, 0.2450



92.0927, 0.3995, 0.4685



18.1386, 0.3215, 0.3172



11.9466, 0.4964, 0.2508



1.1852, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 41.8275, 0.2164, 0.2301 looks on a white background.

Color Contrast Check

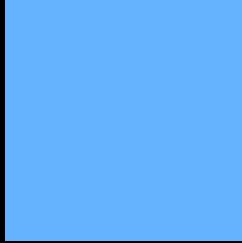
Large Text (above 18pt) WCAG AA × Fail

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 41.8275, 0.2164, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

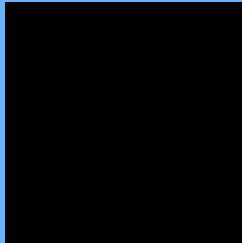
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

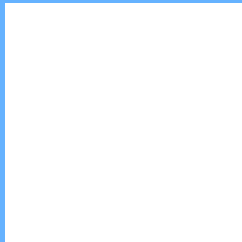
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8275, 0.2164, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 41.8275, 0.2164, 0.2301.



This preview shows how white text looks on a background with the Yxy color 41.8275, 0.2164, 0.2301.

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

41.8275, 0.2164, 0.2301

Protanopia

41.3563, 0.2411, 0.2310

Deuteranopia

41.4967, 0.2310, 0.2249



Tritanopia

41.8979, 0.2334, 0.3065

Trichromacy



Original Color

41.8275, 0.2164, 0.2301

Protanomaly

41.2159, 0.2303, 0.2295

Deuteranomaly

41.7031, 0.2253, 0.2272

Tritanomaly

41.5333, 0.2262, 0.2750

Monochromacy



Original Color

41.8275, 0.2164, 0.2301

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0699, 0.2678, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8275, 0.2164, 0.2301 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 178, 255)  
}
```

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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8275, 0.2164, 0.2301 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, 178, 255) }
```

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

```
.border{ border-color:rgb(101, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8275, 0.2164, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 178, 255) }
```

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

```
.background{ background-color: rgb(101,  
178, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor