

Converting Colors

$Yxy(41.8046, 0.2367, 0.2569)$

Have a look what the booklet for
Yxy(41.8046, 0.2367, 0.2569)
contains.

Yxy(41.8046, 0.2367, 0.2569)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.8046, 0.2367, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	7AB2E8
RGB	122, 178, 232
RGB Percent	48%, 70%, 91%
CMY	0.5215, 0.3020, 0.0901
CMYK	0.47, 0.23, 0.00, 0.09
HSL	209°, 71%, 69%
HSV	209°, 47%, 91%
XYZ	38.5175, 41.8046, 82.4050
YIQ	167.4120, -50.7100, 4.9220

Conversions

Conversions Part 2

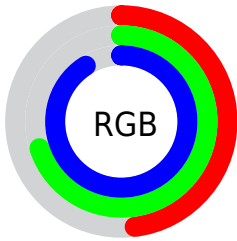
Format	Color
RYB	122, 159, 232
Decimal	8041192
CIELab	70.74, -3.86, -32.72
CIElCh	71, 32.943, 263.280
Yxy	41.8046, 0.2367, 0.2569
Android (android.graphics.Color)	4286231272 (0xFF7AB2E8)
YUV	167.4120, 31.8419, -39.8263
Hunter-Lab	64.6565, -6.8118, -30.3059

Details

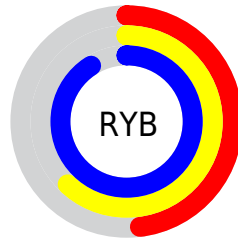
The Yxy color **41.8046, 0.2367, 0.2569** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.6416, 0.4114, 0.3902**, and the grayscale version is **38.7189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6493, 0.2670, 0.3057**, and **19.1463, 0.2165, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **35.9607, 0.2215, 0.2382**, and if you desaturate by 10%, it is **48.4328, 0.2527, 0.2746**.

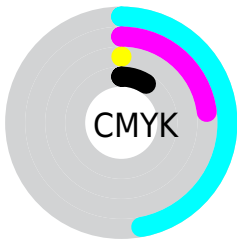
Distribution



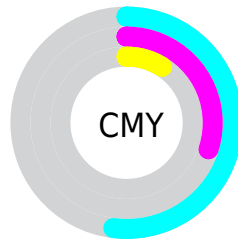
- Red (48%)
- Green (70%)
- Blue (91%)



- Red (48%)
- Yellow (62%)
- Blue (91%)



- Cyan (47%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (52%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8046, 0.2367, 0.2569 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 41.8046, 0.2367, 0.2569 by changing the saturation by 10% instead.

■ 41.8046, 0.2367,
0.2569

■ 41.8046, 0.2367,
0.2569

■ 353.6723, 0.2741,
0.2929

■ 28.9483, 0.2277,
0.2481

■ 77.9038, 0.2501,
0.2699

■ 19.0417, 0.2163,
0.2370

■ 101.9155, 0.2552,
0.2748

■ 11.7004, 0.2017,
0.2225

■ 130.4145, 0.2595,
0.2789

■ 6.5400, 0.1822,
0.2031

■ 163.7852, 0.2633,
0.2825

■ 3.1762, 0.1554,
0.1760

■ 202.4119, 0.2665,
0.2856

■ 1.2244, 0.1176,
0.1370

■ 246.6790, 0.2694,

■ 0.0815, 0.0000,

0.2883

0.0250

296.9710, 0.2719,
0.2907

0.0000, 0.0000,
0.0000

41.8046, 0.2367,
0.2569

41.8046, 0.2367,
0.2569

35.9607, 0.2215,
0.2382

48.4328, 0.2527,
0.2746

30.8581, 0.2078,
0.2190

55.8758, 0.2691,
0.2911

26.4557, 0.1958,
0.1996

64.1678, 0.2854,
0.3062

22.7047, 0.1862,
0.1808

73.3393, 0.3013,
0.3198

19.5431, 0.1790,
0.1628

83.4192, 0.3166,
0.3320

■ 18.7976, 0.1773,
0.1583

■ 93.2314, 0.3270,
0.3430

■ 98.6079, 0.3262,
0.3512

Harmonies

Analogous

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



41.8046, 0.2256, 0.2792



41.8046, 0.2367, 0.2569



41.8046, 0.2669, 0.2534

Triad

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



41.8046, 0.2367, 0.2569



41.8046, 0.3963, 0.3301



41.8046, 0.3082, 0.4039

Complementary

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



41.8046, 0.2367, 0.2569



49.6416, 0.4114, 0.3902

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.



41.8046, 0.3550, 0.4154



41.8046, 0.2367, 0.2569



41.8046, 0.4081, 0.3681

Square

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



41.8046, 0.2367, 0.2569



41.8046, 0.3598, 0.2943



41.8046, 0.3922, 0.4001



41.8046, 0.2646, 0.3664

Rectangle

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



41.8046, 0.2367, 0.2569



41.8046, 0.2956, 0.2608



41.8046, 0.3922, 0.4001



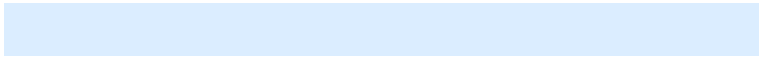
41.8046, 0.3241, 0.4110

Sweetspot

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



41.8061, 0.2367, 0.2569



83.1639, 0.2907, 0.3109



64.9728, 0.2783, 0.4049



17.2872, 0.2873, 0.3079



0.0000, 0.0000, 0.0000



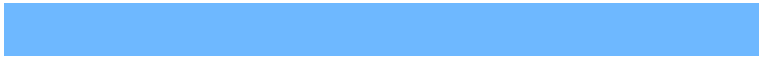
21.4041, 0.3127, 0.3290

Same Dimension

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



41.8061, 0.2367, 0.2569



44.6285, 0.2217, 0.2385



24.3475, 0.2229, 0.1822



15.0934, 0.2981, 0.3172



10.6856, 0.1781, 0.1611



0.9755, 0.1853, 0.1872

Inverse Universe

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



34.3005, 0.3750, 0.2664



35.7805, 0.3948, 0.2551



75.2702, 0.3834, 0.4429



14.4898, 0.3213, 0.3171



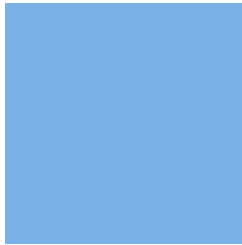
10.2764, 0.4917, 0.2482



0.7782, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 41.8046, 0.2367, 0.2569 looks on a white background.

Color Contrast Check

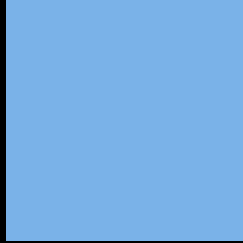
Large Text (above 18pt) WCAG AA × Fail

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 41.8046, 0.2367, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

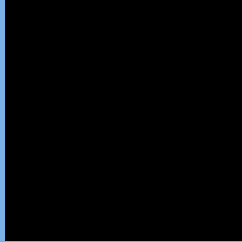
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

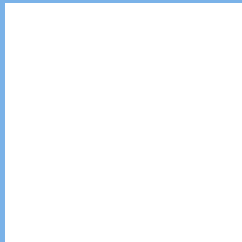
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8046, 0.2367, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 41.8046, 0.2367, 0.2569.



This preview shows how white text looks on a background with the Yxy color 41.8046, 0.2367, 0.2569.

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

41.8046, 0.2367, 0.2569

Protanopia

41.4085, 0.2607, 0.2570

Deuteranopia

41.5600, 0.2537, 0.2478



Tritanopia

41.8492, 0.2504, 0.3071

Trichromacy



Original Color

41.8046, 0.2367, 0.2569

Protanomaly

41.4179, 0.2510, 0.2570

Deuteranomaly

41.5211, 0.2469, 0.2512

Tritanomaly

41.8720, 0.2455, 0.2880

Monochromacy



Original Color

41.8046, 0.2367, 0.2569

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4667, 0.2800, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8046, 0.2367, 0.2569 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(122, 178, 232)` looks like.

```
.text, #text, p{  
    color:rgb(122, 178, 232)  
}
```

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(122, 178, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 178, 232) }
```

Border

The CSS property to change the border of an element to Yxy 41.8046, 0.2367, 0.2569 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(122, 178, 232) }
```

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

```
.border{ border-color:rgb(122, 178, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 178, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 178, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 178, 232);  
box-shadow:4px 4px 4px 4px rgb(122, 178,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8046, 0.2367, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 178, 232) }
```

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

```
.background{ background-color: rgb(122,  
178, 232) }
```

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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