

Converting Colors

$Y_{xy}(41.5719, 0.2453, 0.2657)$

Have a look what the booklet for
Yxy(41.5719, 0.2453, 0.2657)
contains.

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Color

Yxy(41.5719, 0.2453, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	82B1E0
RGB	130, 177, 224
RGB Percent	51%, 69%, 88%
CMY	0.4902, 0.3059, 0.1216
CMYK	0.42, 0.21, 0.00, 0.12
HSL	210°, 60%, 69%
HSV	210°, 42%, 88%
XYZ	38.3801, 41.5719, 76.5098
YIQ	168.3050, -43.0990, 4.6530

Conversions

Conversions Part 2

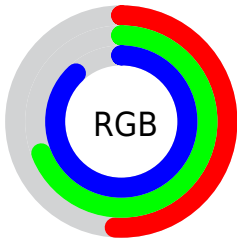
Format	Color
R_{YB}	130, 161, 224
Decimal	8565216
CIE _{Lab}	70.57, -3.60, -28.54
CIE _{LCh}	71, 28.766, 262.810
Yxy	41.5719, 0.2453, 0.2657
Android (android.graphics.Color)	4286755296 (0xFF82B1E0)
YUV	168.3050, 27.4576, -33.5935
Hunter-Lab	64.4763, -6.5798, -25.2222

Details

The Yxy color **41.5719, 0.2453, 0.2657** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.8911, 0.3967, 0.3842**, and the grayscale version is **39.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9369, 0.2707, 0.3049**, and **19.0277, 0.2268, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **35.7478, 0.2295, 0.2472**, and if you desaturate by 10%, it is **48.1475, 0.2616, 0.2830**.

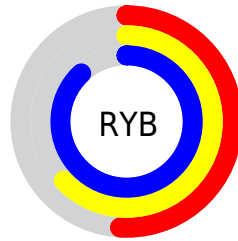
Distribution



Red (51%)

Green (69%)

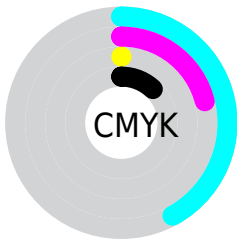
Blue (88%)



Red (51%)

Yellow (63%)

Blue (88%)

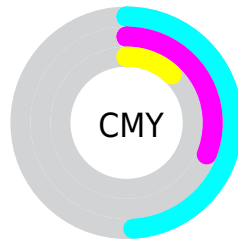


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (12%)



Cyan (49%)

Magenta (31%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5719, 0.2453, 0.2657 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 41.5719, 0.2453, 0.2657 by changing the saturation by 10% instead.

■ 41.5719, 0.2453,
0.2657

■ 41.5719, 0.2453,
0.2657

352.7052, 0.2787,
0.2975

■ 28.7662, 0.2371,
0.2578

■ 77.5513, 0.2573,
0.2772

■ 18.9040, 0.2268,
0.2478

■ 101.4938, 0.2619,
0.2815

■ 11.6010, 0.2134,
0.2347

■ 129.9174, 0.2658,
0.2852

■ 6.4726, 0.1952,
0.2168

163.2065, 0.2691,
0.2884

■ 3.1345, 0.1698,
0.1914

201.7454, 0.2720,
0.2911

■ 1.2024, 0.1325,
0.1534

245.9185, 0.2745,

■ 0.0636, 0.0000,

0.2935

0.0245

296.1104, 0.2767,
0.2956

0.0000, 0.0000,
0.0000

41.5719, 0.2453,
0.2657

41.5719, 0.2453,
0.2657

35.7478, 0.2295,
0.2472

48.1475, 0.2616,
0.2830

30.6366, 0.2148,
0.2279

55.5012, 0.2780,
0.2990

26.2025, 0.2017,
0.2083

63.6640, 0.2941,
0.3136

22.4036, 0.1907,
0.1888

72.6633, 0.3097,
0.3266

19.1913, 0.1820,
0.1700

82.5253, 0.3246,
0.3382

■ 16.9755, 0.1766,
0.1557

■ 91.4504, 0.3323,
0.3489

■ 98.1609, 0.3310,
0.3592

Harmonies

Analogous

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



41.5719, 0.2357, 0.2861



41.5719, 0.2453, 0.2657



41.5719, 0.2720, 0.2620

Triad

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



41.5719, 0.2453, 0.2657



41.5719, 0.3854, 0.3300



41.5719, 0.3098, 0.3942

Complementary

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



41.5719, 0.2453, 0.2657



48.8911, 0.3967, 0.3842

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.



41.5719, 0.3509, 0.4043



41.5719, 0.2453, 0.2657



41.5719, 0.3962, 0.3636

Square

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



41.5719, 0.2453, 0.2657



41.5719, 0.3534, 0.2980



41.5719, 0.3830, 0.3915



41.5719, 0.2712, 0.3622

Rectangle

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



41.5719, 0.2453, 0.2657



41.5719, 0.2973, 0.2683



41.5719, 0.3830, 0.3915



41.5719, 0.3238, 0.4003

Sweetspot

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



41.5735, 0.2453, 0.2657



84.1259, 0.2923, 0.3120



61.1600, 0.2814, 0.3944



17.4708, 0.2888, 0.3088



0.0000, 0.0000, 0.0000



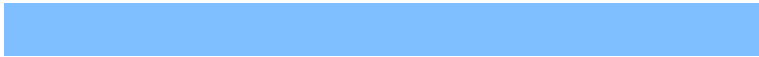
21.4041, 0.3127, 0.3290

Same Dimension

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



41.5735, 0.2453, 0.2657



49.1503, 0.2320, 0.2502



26.5115, 0.2348, 0.2018



14.3703, 0.2981, 0.3170



10.1127, 0.1773, 0.1584



0.8800, 0.1851, 0.1863

Inverse Universe

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



34.9842, 0.3658, 0.2743



40.3417, 0.3817, 0.2640



69.9207, 0.3758, 0.4308



13.8143, 0.3214, 0.3173



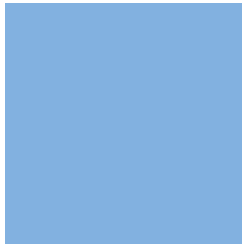
9.9289, 0.4951, 0.2501



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 41.5719, 0.2453, 0.2657 looks on a white background.

Color Contrast Check

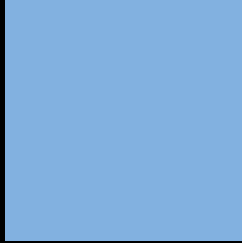
Large Text (above 18pt) WCAG AA × Fail

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 41.5719, 0.2453, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

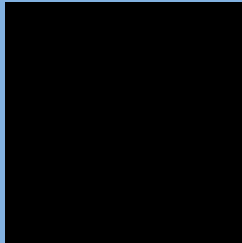
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

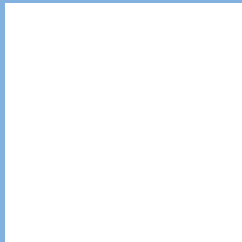
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5719, 0.2453, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 41.5719, 0.2453, 0.2657.



This preview shows how white text looks on a background with the Yxy color 41.5719, 0.2453, 0.2657.

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

41.5719, 0.2453, 0.2657

Protanopia

41.3375, 0.2674, 0.2653

Deuteranopia

41.3405, 0.2627, 0.2561



Tritanopia

41.6981, 0.2577, 0.3073

Trichromacy



Original Color

41.5719, 0.2453, 0.2657

Protanomaly

41.4972, 0.2586, 0.2657

Deuteranomaly

41.3309, 0.2560, 0.2597

Tritanomaly

41.5831, 0.2532, 0.2910

Monochromacy



Original Color

41.5719, 0.2453, 0.2657

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.6267, 0.2846, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5719, 0.2453, 0.2657 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(130, 177, 224)` looks like.

```
.text, #text, p{  
    color:rgb(130, 177, 224)  
}
```

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(130, 177, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 177, 224) }
```

Border

The CSS property to change the border of an element to Yxy 41.5719, 0.2453, 0.2657 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(130, 177, 224) }
```

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

```
.border{ border-color:rgb(130, 177, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 177, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 177, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 177, 224);  
box-shadow:4px 4px 4px 4px rgb(130, 177,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5719, 0.2453, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 177, 224) }
```

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

```
.background{ background-color: rgb(130,  
177, 224) }
```

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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