

Converting Colors

$Yxy(41.5616, 0.2436, 0.2778)$

Have a look what the booklet for
Yxy(41.5616, 0.2436, 0.2778)
contains.

Yxy(41.5742, 0.2434, 0.2776)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5742, 0.2434, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	77B4D9
RGB	119, 180, 217
RGB Percent	47%, 71%, 85%
CMY	0.5333, 0.2941, 0.1491
CMYK	0.45, 0.17, 0.00, 0.15
HSL	203°, 56%, 66%
HSV	203°, 45%, 85%
XYZ	36.4523, 41.5742, 71.7365
YIQ	165.9790, -48.2330, -1.4250

Conversions

Conversions Part 2

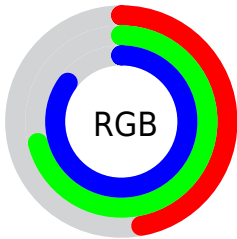
Format	Color
RYB	119, 157, 217
Decimal	7845081
CIELab	70.58, -9.90, -24.76
CIELCh	71, 26.667, 248.203
Yxy	41.5742, 0.2434, 0.2776
Android (android.graphics.Color)	4286035161 (0xFF77B4D9)
YUV	165.9790, 25.1534, -41.2006
Hunter-Lab	64.4781, -11.9226, -20.8297

Details

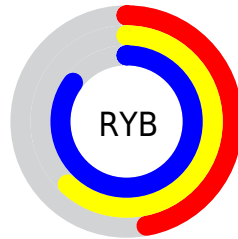
The Yxy color **41.5742, 0.2434, 0.2776** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **39.8553, 0.4114, 0.3741**, and the grayscale version is **38.0179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3249, 0.2651, 0.3079**, and **18.8441, 0.2245, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **37.0018, 0.2296, 0.2638**, and if you desaturate by 10%, it is **46.6956, 0.2582, 0.2907**.

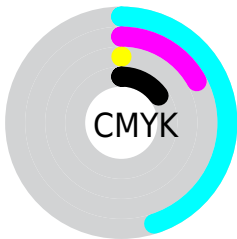
Distribution



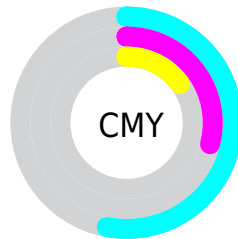
- Red (47%)
- Green (71%)
- Blue (85%)



- Red (47%)
- Yellow (62%)
- Blue (85%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5742, 0.2434, 0.2776 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 41.5742, 0.2434, 0.2776 by changing the saturation by 10% instead.

■ 41.5742, 0.2434,
0.2776

■ 41.5742, 0.2434,
0.2776

■ 352.7148, 0.2777,
0.3039

■ 28.7680, 0.2350,
0.2709

■ 77.5548, 0.2557,
0.2873

■ 18.9054, 0.2244,
0.2623

■ 101.4980, 0.2604,
0.2908

■ 11.6019, 0.2106,
0.2509

■ 129.9223, 0.2644,
0.2939

■ 6.4733, 0.1919,
0.2350

■ 163.2122, 0.2678,
0.2965

■ 3.1349, 0.1657,
0.2117

■ 201.7520, 0.2708,
0.2987

■ 1.2026, 0.1270,
0.1753

■ 245.9261, 0.2734,

■ 0.0638, 0.0000,

0.3007

0.0300

296.1189, 0.2757,
0.3024

0.0000, 0.0000,
0.0000

41.5742, 0.2434,
0.2776

41.5742, 0.2434,
0.2776

37.0018, 0.2296,
0.2638

46.6956, 0.2582,
0.2907

32.9462, 0.2171,
0.2494

52.3864, 0.2736,
0.3029

29.3782, 0.2064,
0.2347

58.6715, 0.2893,
0.3140

26.2628, 0.1978,
0.2201

65.5727, 0.3048,
0.3242

23.5576, 0.1913,
0.2058

73.1104, 0.3200,
0.3333

■ 22.3599, 0.1886,
0.1989

■ 81.3041, 0.3347,
0.3414

■ 87.0308, 0.3377,
0.3493

■ 91.8911, 0.3365,
0.3572

■ 96.9710, 0.3353,
0.3649

Harmonies

Analogous

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



41.5742, 0.2429, 0.3039



41.5742, 0.2434, 0.2776



41.5742, 0.2610, 0.2664

Triad

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



41.5742, 0.2434, 0.2776



41.5742, 0.3675, 0.3150



41.5742, 0.3291, 0.3966

Complementary

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



41.5742, 0.2434, 0.2776



39.8553, 0.4114, 0.3741

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.



41.5742, 0.3644, 0.3954



41.5742, 0.2434, 0.2776



41.5742, 0.3880, 0.3465

Square

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



41.5742, 0.2434, 0.2776



41.5742, 0.3319, 0.2880



41.5742, 0.3865, 0.3759



41.5742, 0.2908, 0.3760

Rectangle

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



41.5742, 0.2434, 0.2776



41.5742, 0.2809, 0.2675



41.5742, 0.3865, 0.3759



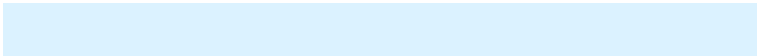
41.5742, 0.3418, 0.3986

Sweetspot

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



41.5758, 0.2434, 0.2776



85.5485, 0.2909, 0.3151



55.9040, 0.2861, 0.4172



17.8685, 0.2875, 0.3128



0.0000, 0.0000, 0.0000



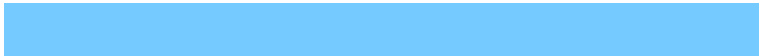
21.4041, 0.3127, 0.3290

Same Dimension

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



41.5758, 0.2434, 0.2776



53.7465, 0.2304, 0.2647



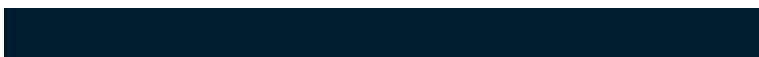
25.4546, 0.2310, 0.2071



13.9607, 0.2982, 0.3200



13.7473, 0.1892, 0.2010



1.0545, 0.1956, 0.2242

Inverse Universe

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



31.2412, 0.3573, 0.2569



38.3656, 0.3706, 0.2434



59.2290, 0.3855, 0.4267



13.1872, 0.3195, 0.3145



10.0116, 0.4442, 0.2220



0.6651, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 41.5742, 0.2434, 0.2776 looks on a white background.

Color Contrast Check

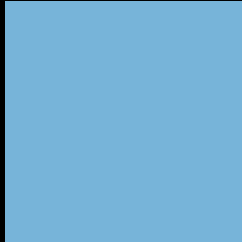
Large Text (above 18pt) WCAG AA × Fail

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 41.5742, 0.2434, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

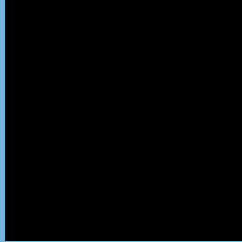
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5742, 0.2434, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 41.5742, 0.2434, 0.2776.



This preview shows how white text looks on a background with the Yxy color 41.5742, 0.2434, 0.2776.

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

41.5742, 0.2434, 0.2776

Protanopia

41.1891, 0.2758, 0.2763

Deuteranopia

41.3829, 0.2703, 0.2645



Tritanopia

41.4549, 0.2513, 0.3070

Trichromacy



Original Color

41.5742, 0.2434, 0.2776

Protanomaly

41.2792, 0.2624, 0.2765

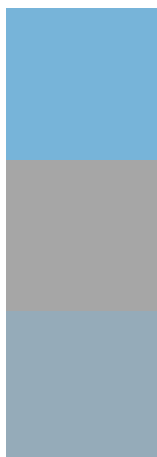
Deuteranomaly

41.2450, 0.2598, 0.2691

Tritanomaly

41.5085, 0.2482, 0.2959

Monochromacy



Original Color

41.5742, 0.2434, 0.2776

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0182, 0.2828, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5742, 0.2434, 0.2776 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(119, 180, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 217)  
}
```

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(119, 180, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 217) }
```

Border

The CSS property to change the border of an element to Yxy 41.5742, 0.2434, 0.2776 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(119, 180, 217) }
```

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

```
.border{ border-color:rgb(119, 180, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 217);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5742, 0.2434, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 217) }
```

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

```
.background{ background-color: rgb(119,  
180, 217) }
```

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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