

Converting Colors

$Yxy(51.0211, 0.2448, 0.2875)$

Have a look what the booklet for
Yxy(51.0211, 0.2448, 0.2875)
contains.

Yxy(51.0520, 0.2446, 0.2873)	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(51.0520, 0.2446, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	7EC7E7
RGB	126, 199, 231
RGB Percent	49%, 78%, 91%
CMY	0.5055, 0.2197, 0.0940
CMYK	0.45, 0.14, 0.00, 0.09
HSL	198°, 69%, 70%
HSV	198°, 45%, 91%
XYZ	43.4644, 51.0520, 83.1794
YIQ	180.8210, -53.7800, -5.5240

Conversions

Conversions Part 2

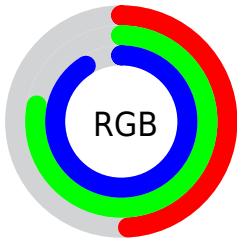
Format	Color
R _Y B	126, 169, 231
Decimal	8308711
CIE Lab	76.71, -14.40, -22.98
CIE LCh	77, 27.123, 237.932
Yxy	51.0520, 0.2446, 0.2873
Android (android.graphics.Color)	4286498791 (0xFF7EC7E7)
YUV	180.8210, 24.7382, -48.0780
Hunter-Lab	71.4507, -16.4548, -19.0070

Details

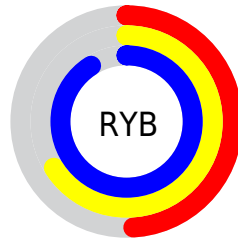
The Yxy color **51.0520, 0.2446, 0.2873** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0027, 0.4170, 0.3660**, and the grayscale version is **46.0055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **24.5749, 0.2274, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **46.3231, 0.2317, 0.2762**, and if you desaturate by 10%, it is **56.3409, 0.2587, 0.2978**.

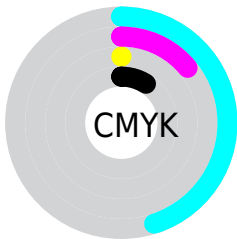
Distribution



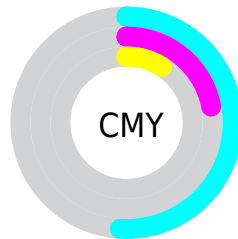
- Red (49%)
- Green (78%)
- Blue (91%)



- Red (49%)
- Yellow (66%)
- Blue (91%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0520, 0.2446, 0.2873 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 51.0520, 0.2446, 0.2873 by changing the saturation by 10% instead.

■ 51.0520, 0.2446,
0.2873

■ 51.0520, 0.2446,
0.2873

■ 390.7658, 0.2772,
0.3082

■ 36.2500, 0.2369,
0.2821

■ 91.7316, 0.2561,
0.2949

■ 24.6273, 0.2274,
0.2755

■ 118.3780, 0.2605,
0.2977

■ 15.7996, 0.2152,
0.2668

■ 149.7414, 0.2643,
0.3002

■ 9.3825, 0.1991,
0.2549

■ 186.2061, 0.2676,
0.3022

■ 4.9915, 0.1771,
0.2379

■ 228.1564, 0.2704,
0.3040

■ 2.2423, 0.1456,
0.2117

■ 275.9769, 0.2729,

■ 0.7429, 0.0813,

0.3056

0.1703

330.0519, 0.2752,
0.3070

0.0000, 0.0000,
0.0000

51.0520, 0.2446,
0.2873

51.0520, 0.2446,
0.2873

46.3231, 0.2317,
0.2762

56.3409, 0.2587,
0.2978

42.1180, 0.2203,
0.2648

62.2114, 0.2736,
0.3076

38.4047, 0.2108,
0.2531

68.6911, 0.2889,
0.3166

35.1439, 0.2033,
0.2414

75.8034, 0.3044,
0.3249

32.2878, 0.1978,
0.2299

83.5708, 0.3197,
0.3323

■ 31.0790, 0.1957,
0.2246

■ 90.1248, 0.3282,
0.3391

■ 94.3895, 0.3274,
0.3459

■ 98.5507, 0.3268,
0.3522

Harmonies

Analogous

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



51.0520, 0.2499, 0.3165



51.0520, 0.2446, 0.2873



51.0520, 0.2560, 0.2713

Triad

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



51.0520, 0.2446, 0.2873



51.0520, 0.3543, 0.3062



51.0520, 0.3408, 0.3950

Complementary

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



51.0520, 0.2446, 0.2873



43.0027, 0.4170, 0.3660

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.



51.0520, 0.3710, 0.3874



51.0520, 0.2446, 0.2873



51.0520, 0.3797, 0.3354

Square

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



51.0520, 0.2446, 0.2873



51.0520, 0.3180, 0.2829



51.0520, 0.3857, 0.3649



51.0520, 0.3042, 0.3823

Rectangle

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



51.0520, 0.2446, 0.2873



51.0520, 0.2721, 0.2690



51.0520, 0.3857, 0.3649



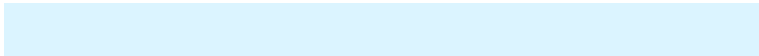
51.0520, 0.3520, 0.3946

Sweetspot

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



51.0539, 0.2446, 0.2873



87.0877, 0.2910, 0.3178



64.0613, 0.2896, 0.4281



18.2448, 0.2876, 0.3159



0.0000, 0.0000, 0.0000



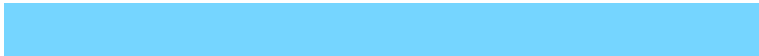
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0539, 0.2446, 0.2873



58.5880, 0.2331, 0.2775



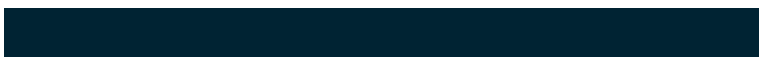
31.1084, 0.2319, 0.2153



15.5546, 0.2981, 0.3217



17.6487, 0.1963, 0.2265



1.4664, 0.2009, 0.2432

Inverse Universe

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



36.0632, 0.3497, 0.2485



38.8544, 0.3598, 0.2344



64.6132, 0.3895, 0.4209



14.5363, 0.3184, 0.3128



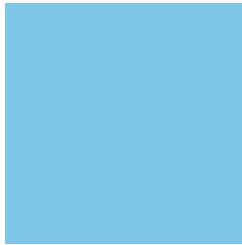
10.9794, 0.4163, 0.2067



0.8277, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 51.0520, 0.2446, 0.2873 looks on a white background.

Color Contrast Check

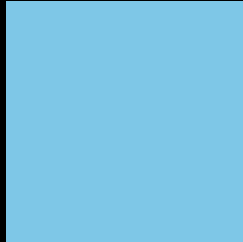
Large Text (above 18pt) WCAG AA × Fail

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 51.0520, 0.2446, 0.2873 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 51.0520, 0.2446, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 51.0520, 0.2446, 0.2873.

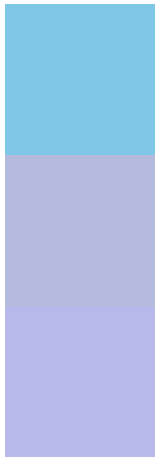


This preview shows how white text looks on a background with the Yxy color 51.0520, 0.2446, 0.2873.

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

51.0520, 0.2446, 0.2873

Protanopia

50.6921, 0.2820, 0.2851

Deuteranopia

50.7057, 0.2761, 0.2707



Tritanopia

50.9206, 0.2502, 0.3074

Trichromacy



Original Color

51.0520, 0.2446, 0.2873

Protanomaly

50.3297, 0.2665, 0.2850

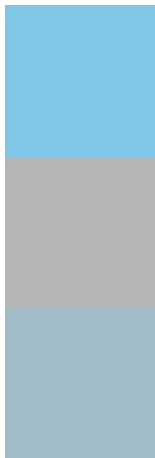
Deuteranomaly

50.3915, 0.2628, 0.2758

Tritanomaly

50.7934, 0.2478, 0.2997

Monochromacy



Original Color

51.0520, 0.2446, 0.2873

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6670, 0.2835, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0520, 0.2446, 0.2873 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(126, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 199, 231)  
}
```

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(126, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 199, 231) }
```

Border

The CSS property to change the border of an element to Yxy 51.0520, 0.2446, 0.2873 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(126, 199, 231) }
```

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

```
.border{ border-color:rgb(126, 199, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 199, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 199, 231);  
box-shadow:4px 4px 4px 4px rgb(126, 199,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0520, 0.2446, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 199, 231) }
```

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

```
.background{ background-color: rgb(126,  
199, 231) }
```

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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