

Converting Colors

$Y_{xy}(46.1266, 0.2537, 0.3001)$

Have a look what the booklet for
Yxy(46.1266, 0.2537, 0.3001)
contains.

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Color

Yxy(46.0421, 0.2537, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	7FBED3
RGB	127, 190, 211
RGB Percent	50%, 75%, 83%
CMY	0.5019, 0.2549, 0.1726
CMYK	0.40, 0.10, 0.00, 0.17
HSL	195°, 49%, 66%
HSV	195°, 40%, 83%
XYZ	38.9233, 46.0421, 68.4571
YIQ	173.5570, -44.2890, -6.8250

Conversions

Conversions Part 2

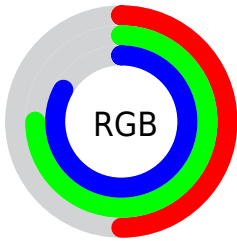
Format	Color
RYB	127, 163, 211
Decimal	8371923
CIELab	73.57, -14.79, -16.90
CIELCh	74, 22.457, 228.814
Yxy	46.0421, 0.2537, 0.3001
Android (android.graphics.Color)	4286562003 (0xFF7FBED3)
YUV	173.5570, 18.4594, -40.8305
Hunter-Lab	67.8543, -16.3521, -12.3187

Details

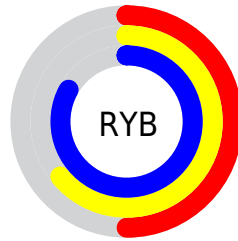
The Yxy color **46.0421, 0.2537, 0.3001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5588, 0.4016, 0.3556**, and the grayscale version is **42.0107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1988, 0.2706, 0.3192**, and **21.6693, 0.2381, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **42.3467, 0.2408, 0.2915**, and if you desaturate by 10%, it is **50.1629, 0.2677, 0.3082**.

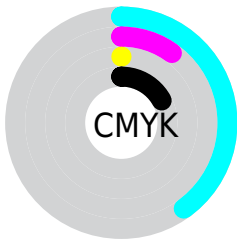
Distribution



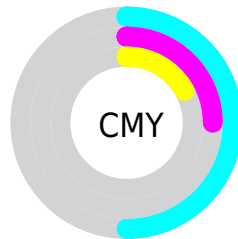
- Red (50%)
- Green (75%)
- Blue (83%)



- Red (50%)
- Yellow (64%)
- Blue (83%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0421, 0.2537, 0.3001 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 46.0421, 0.2537, 0.3001 by changing the saturation by 10% instead.

■ 46.0421, 0.2537,
0.3001

■ 46.0421, 0.2537,
0.3001

370.9779, 0.2826,
0.3151

■ 32.2790, 0.2467,
0.2962

■ 84.2820, 0.2641,
0.3056

■ 21.5747, 0.2378,
0.2912

■ 109.5276, 0.2680,
0.3077

■ 13.5448, 0.2263,
0.2845

■ 139.3696, 0.2713,
0.3094

■ 7.8047, 0.2107,
0.2749

174.1922, 0.2742,
0.3109

■ 3.9702, 0.1886,
0.2605

214.3800, 0.2767,
0.3121

■ 1.6569, 0.1553,
0.2366

260.3173, 0.2789,

■ 0.3955, 0.0069,

0.3132

0.1816

312.3884, 0.2809,
0.3142

0.0000, 0.0000,
0.0000

46.0421, 0.2537,
0.3001

46.0421, 0.2537,
0.3001

42.3467, 0.2408,
0.2915

50.1629, 0.2677,
0.3082

39.0493, 0.2293,
0.2825

54.7241, 0.2825,
0.3158

36.1268, 0.2195,
0.2732

59.7463, 0.2977,
0.3228

33.5513, 0.2116,
0.2639

65.2472, 0.3130,
0.3291

31.2899, 0.2057,
0.2546

71.2434, 0.3283,
0.3348

■ 29.2844, 0.2015,
0.2454

■ 77.7506, 0.3432,
0.3399

■ 29.2464, 0.2015,
0.2452

■ 80.8535, 0.3434,
0.3451

■ 83.7808, 0.3425,
0.3503

■ 86.7972, 0.3416,
0.3554

Harmonies

Analogous

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



46.0421, 0.2628, 0.3277



46.0421, 0.2537, 0.3001



46.0421, 0.2593, 0.2822

Triad

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



46.0421, 0.2537, 0.3001



46.0421, 0.3396, 0.3025



46.0421, 0.3459, 0.3852

Complementary

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



46.0421, 0.2537, 0.3001



36.5588, 0.4016, 0.3556

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.



46.0421, 0.3683, 0.3746



46.0421, 0.2537, 0.3001



46.0421, 0.3649, 0.3269

Square

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



46.0421, 0.2537, 0.3001



46.0421, 0.3076, 0.2846



46.0421, 0.3755, 0.3530



46.0421, 0.3153, 0.3794

Rectangle

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



46.0421, 0.2537, 0.3001



46.0421, 0.2708, 0.2774



46.0421, 0.3755, 0.3530



46.0421, 0.3547, 0.3833

Sweetspot

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



46.0439, 0.2537, 0.3001



89.8688, 0.2941, 0.3212



53.1912, 0.2954, 0.4214



19.0136, 0.2921, 0.3203



0.0000, 0.0000, 0.0000



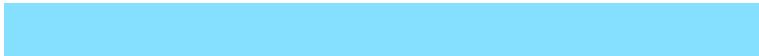
21.4041, 0.3127, 0.3290

Same Dimension

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



46.0439, 0.2537, 0.3001



65.7068, 0.2424, 0.2926



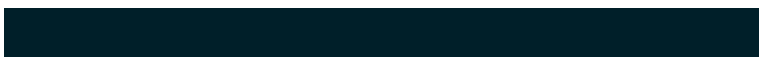
30.8384, 0.2445, 0.2408



12.8858, 0.2983, 0.3231



17.8217, 0.2018, 0.2466



1.1181, 0.2065, 0.2635

Inverse Universe

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



32.7465, 0.3385, 0.2534



43.3299, 0.3461, 0.2377



51.6018, 0.3817, 0.4035



11.9565, 0.3175, 0.3117



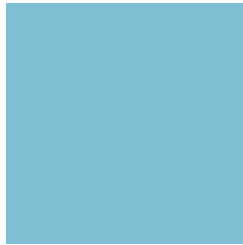
9.8704, 0.3956, 0.1953



0.5642, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 46.0421, 0.2537, 0.3001 looks on a white background.

Color Contrast Check

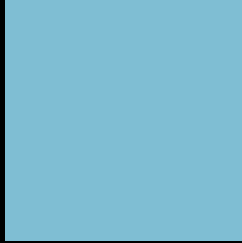
Large Text (above 18pt) WCAG AA × Fail

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 46.0421, 0.2537, 0.3001 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 46.0421, 0.2537, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 46.0421, 0.2537, 0.3001.

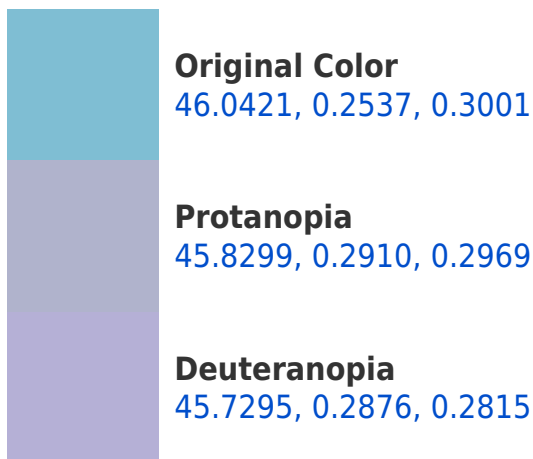


This preview shows how white text looks on a background with the Yxy color 46.0421, 0.2537, 0.3001.

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





Tritanopia

46.1535, 0.2562, 0.3081

Trichromacy



Original Color

46.0421, 0.2537, 0.3001

Protanomaly

45.6411, 0.2755, 0.2972

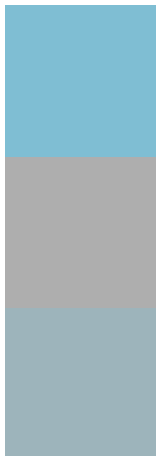
Deuteranomaly

45.4289, 0.2734, 0.2873

Tritanomaly

46.2513, 0.2550, 0.3054

Monochromacy



Original Color

46.0421, 0.2537, 0.3001

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3985, 0.2884, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0421, 0.2537, 0.3001 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(127, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(127, 190, 211)  
}
```

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(127, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 190, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.0421, 0.2537, 0.3001 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(127, 190, 211) }
```

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

```
.border{ border-color:rgb(127, 190, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(127, 190,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0421, 0.2537, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 190, 211) }
```

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

```
.background{ background-color: rgb(127,  
190, 211) }
```

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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