

Converting Colors

$Y_{xy}(46.2950, 0.2560, 0.2993)$

Have a look what the booklet for
Yxy(46.2950, 0.2560, 0.2993)
contains.

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Color

Yxy(46.3554, 0.2561, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	83BED3
RGB	131, 190, 211
RGB Percent	51%, 75%, 83%
CMY	0.4861, 0.2549, 0.1726
CMYK	0.38, 0.10, 0.00, 0.17
HSL	196°, 48%, 67%
HSV	196°, 38%, 83%
XYZ	39.5325, 46.3554, 68.4757
YIQ	174.7530, -41.9050, -5.9770

Conversions

Conversions Part 2

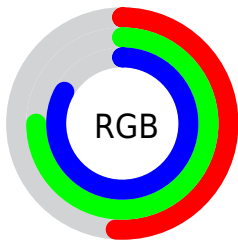
Format	Color
RYB	131, 165, 211
Decimal	8634067
CIELab	73.78, -13.73, -16.57
CIElCh	74, 21.519, 230.339
Yxy	46.3554, 0.2561, 0.3003
Android (android.graphics.Color)	4286824147 (0xFF83BED3)
YUV	174.7530, 17.8698, -38.3714
Hunter-Lab	68.0848, -15.5048, -11.9711

Details

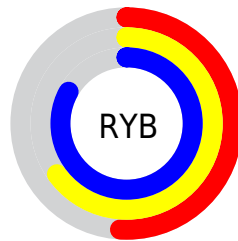
The Yxy color **46.3554, 0.2561, 0.3003** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9450, 0.3953, 0.3556**, and the grayscale version is **42.6615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6963, 0.2727, 0.3192**, and **21.8694, 0.2414, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **42.4873, 0.2428, 0.2913**, and if you desaturate by 10%, it is **50.6612, 0.2704, 0.3088**.

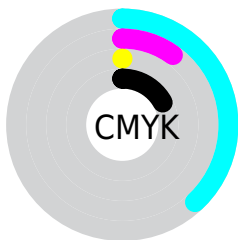
Distribution



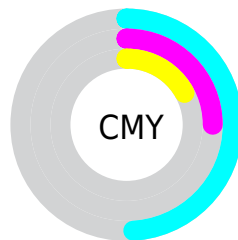
- Red (51%)
- Green (75%)
- Blue (83%)



- Red (51%)
- Yellow (65%)
- Blue (83%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)





- Cyan (49%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3554, 0.2561, 0.3003 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 46.3554, 0.2561, 0.3003 by changing the saturation by 10% instead.


 46.3554, 0.2561,
0.3003


 46.3554, 0.2561,
0.3003


372.2356, 0.2838,
0.3151

 32.5264, 0.2494,
0.2965


 84.7506, 0.2660,
0.3058

 21.7639, 0.2409,
0.2916


 110.0856, 0.2698,
0.3078

 13.6835, 0.2298,
0.2850


 140.0247, 0.2730,
0.3095

 7.9009, 0.2148,
0.2756

174.9523, 0.2758,
0.3109

 4.0316, 0.1935,
0.2615

215.2528, 0.2782,
0.3122

 1.6912, 0.1613,
0.2383

261.3106, 0.2803,

 0.4180, 0.0276,

0.3133

0.1858

313.5101, 0.2822,
0.3142

0.0000, 0.0000,
0.0000

46.3554, 0.2561,
0.3003

46.3554, 0.2561,
0.3003

42.4873, 0.2428,
0.2913

50.6612, 0.2704,
0.3088

39.0296, 0.2309,
0.2819

55.4194, 0.2853,
0.3166

35.9598, 0.2206,
0.2722

60.6507, 0.3006,
0.3238

33.2505, 0.2121,
0.2623

66.3724, 0.3159,
0.3303

30.8698, 0.2057,
0.2525

72.6013, 0.3311,
0.3362

■ 28.7722, 0.2011,
0.2428

■ 78.8525, 0.3440,
0.3414

■ 28.3510, 0.2002,
0.2407

■ 81.8631, 0.3431,
0.3469

■ 84.9712, 0.3421,
0.3524

■ 88.1779, 0.3412,
0.3577

Harmonies

Analogous

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



46.3554, 0.2642, 0.3264



46.3554, 0.2561, 0.3003



46.3554, 0.2622, 0.2837

Triad

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



46.3554, 0.2561, 0.3003



46.3554, 0.3399, 0.3047



46.3554, 0.3431, 0.3828

Complementary

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



46.3554, 0.2561, 0.3003



37.9450, 0.3953, 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.



46.3554, 0.3651, 0.3735



46.3554, 0.2561, 0.3003



46.3554, 0.3635, 0.3284

Square

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



46.3554, 0.2561, 0.3003



46.3554, 0.3095, 0.2871



46.3554, 0.3728, 0.3533



46.3554, 0.3137, 0.3763

Rectangle

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



46.3554, 0.2561, 0.3003



46.3554, 0.2736, 0.2794



46.3554, 0.3728, 0.3533



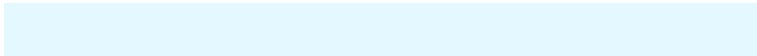
46.3554, 0.3517, 0.3813

Sweetspot

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



46.3572, 0.2561, 0.3003



90.4564, 0.2957, 0.3216



53.6400, 0.2953, 0.4142



19.1234, 0.2936, 0.3206



0.0000, 0.0000, 0.0000



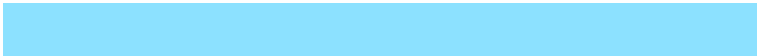
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3572, 0.2561, 0.3003



66.6086, 0.2459, 0.2935



31.6697, 0.2478, 0.2438



12.8602, 0.2983, 0.3228



17.2887, 0.2006, 0.2422



1.0920, 0.2056, 0.2600

Inverse Universe

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



33.8051, 0.3380, 0.2581



45.5196, 0.3448, 0.2443



52.7428, 0.3774, 0.4015



11.9539, 0.3177, 0.3120



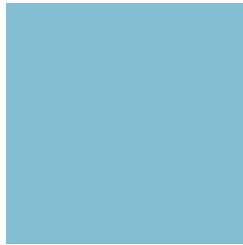
9.8166, 0.4001, 0.1978



0.5615, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 46.3554, 0.2561, 0.3003 looks on a white background.

Color Contrast Check

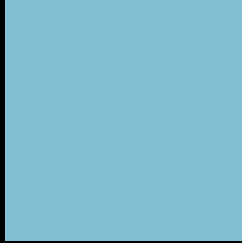
Large Text (above 18pt) WCAG AA × Fail

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 46.3554, 0.2561, 0.3003 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 46.3554, 0.2561, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 46.3554, 0.2561, 0.3003.



This preview shows how white text looks on a background with the Yxy color 46.3554, 0.2561, 0.3003.

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

46.3554, 0.2561, 0.3003

Protanopia

45.9469, 0.2918, 0.2970

Deuteranopia

45.8508, 0.2884, 0.2816



Tritanopia

46.4637, 0.2586, 0.3082

Trichromacy



Original Color

46.3554, 0.2561, 0.3003

Protanomaly

45.8455, 0.2769, 0.2974

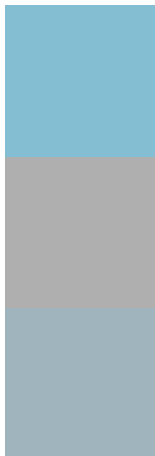
Deuteranomaly

45.6384, 0.2749, 0.2875

Tritanomaly

46.5615, 0.2574, 0.3056

Monochromacy



Original Color

46.3554, 0.2561, 0.3003

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6443, 0.2892, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3554, 0.2561, 0.3003 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(131, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 190, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.3554, 0.2561, 0.3003 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(131, 190, 211) }
```

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

```
.border{ border-color:rgb(131, 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(131, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(131, 190,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3554, 0.2561, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 190, 211) }
```

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

```
.background{ background-color: rgb(131,  
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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