

Converting Colors

$Y_{xy}(41.2530, 0.2322, 0.2902)$

Have a look what the booklet for
Yxy(41.2530, 0.2322, 0.2902)
contains.

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Color

Yxy(41.0588, 0.2322, 0.2896)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 58B8D3 |
| RGB | 88, 184, 211 |
| RGB Percent | 35%, 72%, 83% |
| CMY | 0.6548, 0.2784, 0.1727 |
| CMYK | 0.58, 0.13, 0.00, 0.17 |
| HSL | 193°, 58%, 59% |
| HSV | 193°, 58%, 83% |
| XYZ | 32.9208, 41.0588, 67.7981 |
| YIQ | 158.3740, -65.8830, -11.9550 |

Conversions

Conversions Part 2

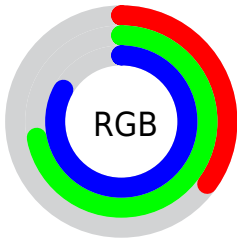
| Format | Color |
|-------------------------------------|---|
| RYB | 88, 142, 211 |
| Decimal | 5814483 |
| CIELab | 70.22, -20.49, -22.13 |
| CIElCh | 70, 30.159, 227.216 |
| Yxy | 41.0588, 0.2322, 0.2896 |
| Android (android.graphics.Color) | 4284004563 (0xFF58B8D3) |
| YUV | 158.3740, 25.9446, -61.7180 |
| Hunter-Lab | 64.0771, -20.4275, -17.8789 |

Details

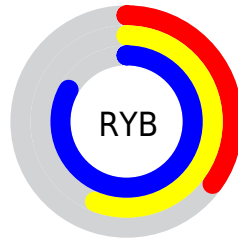
The Yxy color **41.0588, 0.2322, 0.2896** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **26.8077, 0.4687, 0.3616**, and the grayscale version is **34.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8361, 0.2525, 0.3117**, and **18.6394, 0.2107, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **38.2841, 0.2226, 0.2816**, and if you desaturate by 10%, it is **44.1973, 0.2435, 0.2974**.

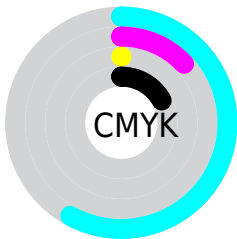
Distribution



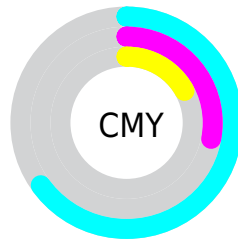
- Red (35%)
- Green (72%)
- Blue (83%)



- Red (35%)
- Yellow (56%)
- Blue (83%)



- Cyan (58%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)





- Cyan (65%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0588, 0.2322, 0.2896 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 41.0588, 0.2322, 0.2896 by changing the saturation by 10% instead.


 41.0588, 0.2322,
0.2896

 41.0588, 0.2322,
0.2896

350.5663, 0.2719,
0.3105

 28.3650, 0.2226,
0.2841


 76.7731, 0.2464,
0.2975

 18.6010, 0.2104,
0.2768


 100.5625, 0.2519,
0.3003

 11.3823, 0.1946,
0.2669


 128.8192, 0.2565,
0.3027

 6.3246, 0.1734,
0.2527

 161.9276, 0.2604,
0.3048

 3.0435, 0.1440,
0.2310

200.2721, 0.2639,
0.3065

 1.1545, 0.0977,
0.1962

244.2372, 0.2669,

 0.0240, 0.0000,

0.3080

0.0139

294.2071, 0.2695,
0.3094

0.0000, 0.0000,
0.0000

41.0588, 0.2322,
0.2896

41.0588, 0.2322,
0.2896

38.2841, 0.2226,
0.2816

44.1973, 0.2435,
0.2974

35.8414, 0.2149,
0.2735

47.7190, 0.2563,
0.3048

33.7007, 0.2091,
0.2654

51.6469, 0.2702,
0.3119

31.8148, 0.2051,
0.2575

56.0009, 0.2848,
0.3184

31.5038, 0.2045,
0.2561

60.7993, 0.3000,
0.3244

■ 66.0593, 0.3154,
0.3299

■ 71.7972, 0.3307,
0.3348

■ 77.6859, 0.3444,
0.3393

■ 80.1634, 0.3436,
0.3439

Harmonies

Analogous

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



41.0588, 0.2452, 0.3286



41.0588, 0.2322, 0.2896



41.0588, 0.2387, 0.2651

Triad

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



41.0588, 0.2322, 0.2896



41.0588, 0.3476, 0.2910



41.0588, 0.3600, 0.4075

Complementary

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



41.0588, 0.2322, 0.2896



26.8077, 0.4687, 0.3616

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.



41.0588, 0.3909, 0.3899



41.0588, 0.2322, 0.2896



41.0588, 0.3844, 0.3233

Square

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



41.0588, 0.2322, 0.2896



41.0588, 0.3028, 0.2678



41.0588, 0.4005, 0.3587



41.0588, 0.3177, 0.4019

Rectangle

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



41.0588, 0.2322, 0.2896



41.0588, 0.2534, 0.2586



41.0588, 0.4005, 0.3587



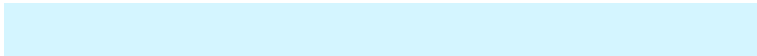
41.0588, 0.3722, 0.4038

Sweetspot

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



41.0603, 0.2322, 0.2896



86.7682, 0.2865, 0.3191



49.8797, 0.2910, 0.4777



18.2665, 0.2834, 0.3178



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.



41.0603, 0.2322, 0.2896



57.8124, 0.2205, 0.2796



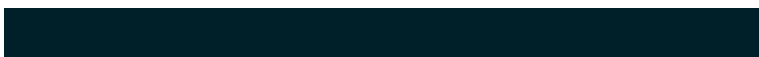
20.9076, 0.2112, 0.1932



12.9487, 0.2983, 0.3238



19.1753, 0.2048, 0.2573



1.1838, 0.2089, 0.2719

Inverse Universe

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



24.2882, 0.3505, 0.2183



31.4482, 0.3613, 0.2020



45.6530, 0.4185, 0.4326



11.9628, 0.3171, 0.3110



10.0070, 0.3850, 0.1895



0.5708, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 41.0588, 0.2322, 0.2896 looks on a white background.

Color Contrast Check

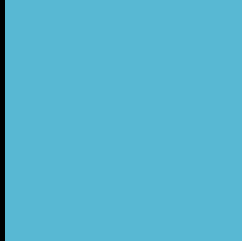
Large Text (above 18pt) WCAG AA × Fail

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 41.0588, 0.2322, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

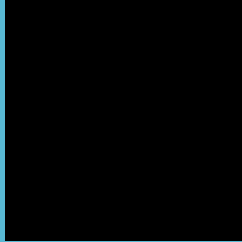
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

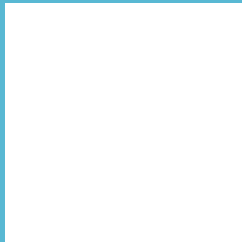
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0588, 0.2322, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 41.0588, 0.2322, 0.2896.



This preview shows how white text looks on a background with the Yxy color 41.0588, 0.2322, 0.2896.

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

41.0588, 0.2322, 0.2896

Protanopia

40.4855, 0.2830, 0.2861

Deuteranopia

40.4362, 0.2728, 0.2665



Tritanopia

41.2197, 0.2361, 0.3064

Trichromacy



Original Color

41.0588, 0.2322, 0.2896

Protanomaly

39.9141, 0.2598, 0.2856

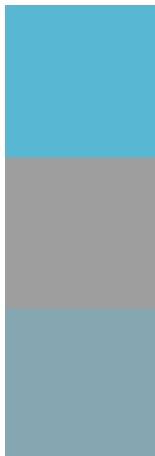
Deuteranomaly

39.9764, 0.2540, 0.2727

Tritanomaly

41.0370, 0.2342, 0.2992

Monochromacy



Original Color

41.0588, 0.2322, 0.2896

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.7983, 0.2755, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0588, 0.2322, 0.2896 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(88, 184, 211)` looks like.

```
.text, #text, p{  
    color:rgb(88, 184, 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(88, 184, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 184, 211) }
```

Border

The CSS property to change the border of an element to Yxy 41.0588, 0.2322, 0.2896 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(88, 184, 211) }
```

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

```
.border{ border-color:rgb(88, 184, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 184, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 184, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 184, 211);  
box-shadow:4px 4px 4px 4px rgb(88, 184,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0588, 0.2322, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 184, 211) }
```

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

```
.background{ background-color: rgb(88, 184,  
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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