

Converting Colors

$Yxy(42.4947, 0.2502, 0.3474)$

Have a look what the booklet for
Yxy(42.4947, 0.2502, 0.3474)
contains.

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Color

Yxy(42.4947, 0.2502, 0.3474)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 56BFB3 |
| RGB | 86, 191, 179 |
| RGB Percent | 34%, 75%, 70% |
| CMY | 0.6626, 0.2510, 0.2981 |
| CMYK | 0.55, 0.00, 0.06, 0.25 |
| HSL | 173°, 45%, 54% |
| HSV | 173°, 55%, 75% |
| XYZ | 30.6050, 42.4947, 49.2224 |
| YIQ | 158.2370, -58.7280, -25.9920 |

Conversions

Conversions Part 2

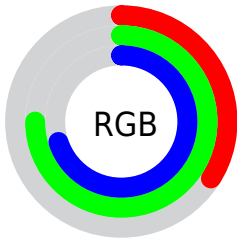
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 86, 142, 191 |
| Decimal | 5685171 |
| CIELab | 71.21, -33.20, -3.13 |
| CIELCh | 71, 33.350, 185.390 |
| Yxy | 42.4947, 0.2502, 0.3474 |
| Android (android.graphics.Color) | 4283875251 (0xFF56BFB3) |
| YUV | 158.2370, 10.2362, -63.3518 |
| Hunter-Lab | 65.1880, -30.2752, 0.8626 |

Details

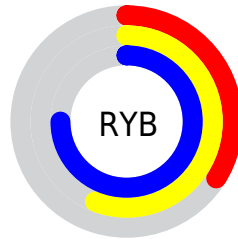
The Yxy color **42.4947, 0.2502, 0.3474** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.6206, 0.4551, 0.3136**, and the grayscale version is **34.2815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0623, 0.2614, 0.3440**, and **19.4493, 0.2326, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **41.6194, 0.2436, 0.3513**, and if you desaturate by 10%, it is **43.6170, 0.2586, 0.3436**.

Distribution



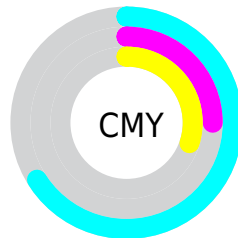
- Red (34%)
- Green (75%)
- Blue (70%)



- Red (34%)
- Yellow (56%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (66%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4947, 0.2502, 0.3474 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 42.4947, 0.2502, 0.3474 by changing the saturation by 10% instead.


 42.4947, 0.2502,
0.3474


 42.4947, 0.2502,
0.3474

356.5296, 0.2815,
0.3385

 29.4889, 0.2424,
0.3495


 78.9478, 0.2616,
0.3442


 19.4509, 0.2323,
0.3522


 103.1638, 0.2659,
0.3430

 11.9966, 0.2190,
0.3556


 131.8854, 0.2695,
0.3420

 6.7413, 0.2006,
0.3602

 165.4968, 0.2726,
0.3411

 3.3009, 0.1736,
0.3663

204.3826, 0.2753,
0.3403

 1.2908, 0.1097,
0.3835

248.9270, 0.2776,

 0.1340, 0.0000,

0.3396

0.2686

299.5145, 0.2797,
0.3390

0.0000, 0.0000,
0.0000

42.4947, 0.2502,
0.3474

42.4947, 0.2502,
0.3474

41.6194, 0.2436,
0.3513

43.6170, 0.2586,
0.3436

40.9663, 0.2388,
0.3553

44.9988, 0.2687,
0.3400

40.5143, 0.2360,
0.3592

46.6579, 0.2801,
0.3365

40.2354, 0.2349,
0.3631

48.6088, 0.2926,
0.3333

40.1316, 0.2348,
0.3651

50.8654, 0.3059,
0.3304

■ 53.4402, 0.3198,
0.3277

■ 56.3454, 0.3339,
0.3253

■ 59.5924, 0.3481,
0.3231

■ 62.6310, 0.3597,
0.3212

Harmonies

Analogous

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



42.4947, 0.2893, 0.3917



42.4947, 0.2502, 0.3474



42.4947, 0.2283, 0.3009

Triad

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



42.4947, 0.2502, 0.3474



42.4947, 0.2834, 0.2566



42.4947, 0.4054, 0.3826

Complementary

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



42.4947, 0.2502, 0.3474



18.6206, 0.4551, 0.3136

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.



42.4947, 0.4051, 0.3457



42.4947, 0.2502, 0.3474



42.4947, 0.3315, 0.2763

Square

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



42.4947, 0.2502, 0.3474



42.4947, 0.2463, 0.2528



42.4947, 0.3773, 0.3079



42.4947, 0.3796, 0.4095

Rectangle

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



42.4947, 0.2502, 0.3474



42.4947, 0.2252, 0.2767



42.4947, 0.3773, 0.3079



42.4947, 0.4085, 0.3709

Sweetspot

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



42.4964, 0.2502, 0.3474



86.5728, 0.2909, 0.3337



40.5474, 0.3125, 0.4992



18.8442, 0.2882, 0.3344



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.4964, 0.2502, 0.3474



74.2624, 0.2424, 0.3521



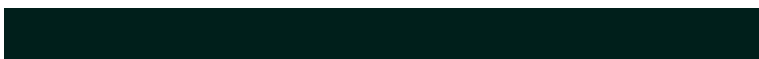
27.7992, 0.2302, 0.2636



10.7902, 0.3000, 0.3316



26.3808, 0.2346, 0.3646



1.0388, 0.2320, 0.3552

Inverse Universe

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



18.6206, 0.4551, 0.3136



27.1693, 0.5071, 0.3124



26.7404, 0.4396, 0.3833



9.5537, 0.3271, 0.3264



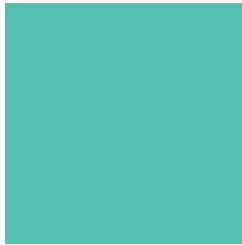
7.3233, 0.6243, 0.3213



0.2928, 0.5768, 0.2951

Previews

White Background



This preview shows how the Yxy color 42.4947, 0.2502, 0.3474 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 42.4947, 0.2502, 0.3474 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

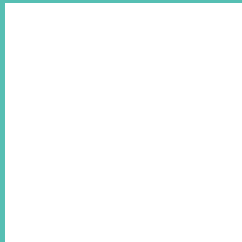
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4947, 0.2502, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 42.4947, 0.2502, 0.3474.

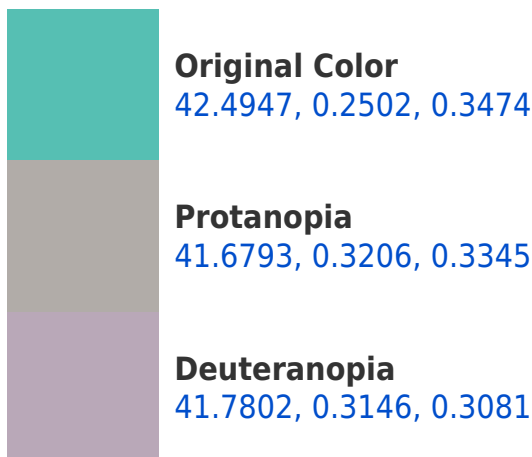


This preview shows how white text looks on a background with the Yxy color 42.4947, 0.2502, 0.3474.

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

42.2853, 0.2403, 0.3054

Trichromacy



Original Color

42.4947, 0.2502, 0.3474

Protanomaly

41.1480, 0.2890, 0.3391

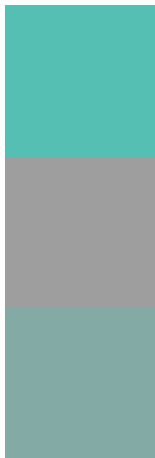
Deuteranomaly

40.8176, 0.2854, 0.3204

Tritanomaly

42.1368, 0.2439, 0.3198

Monochromacy



Original Color

42.4947, 0.2502, 0.3474

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.4082, 0.2832, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4947, 0.2502, 0.3474 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(86, 191, 179)` looks like.

```
.text, #text, p{  
  color:rgb(86, 191, 179)  
}
```

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(86, 191, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 191, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.4947, 0.2502, 0.3474 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(86, 191, 179) }
```

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

```
.border{ border-color:rgb(86, 191, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 191, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 191, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 191, 179);  
box-shadow:4px 4px 4px 4px rgb(86, 191,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4947, 0.2502, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 191, 179) }
```

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

```
.background{ background-color: rgb(86, 191,  
179) }
```

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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