

Converting Colors

$Y_{xy}(41.9921, 0.2552, 0.3638)$

Have a look what the booklet for
Yxy(41.9921, 0.2552, 0.3638)
contains.

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Color

Yxy(42.0575, 0.2553, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	55BFA9
RGB	85, 191, 169
RGB Percent	33%, 75%, 66%
CMY	0.6667, 0.2510, 0.3372
CMYK	0.56, 0.00, 0.12, 0.25
HSL	168°, 45%, 54%
HSV	168°, 56%, 75%
XYZ	29.5386, 42.0575, 44.1054
YIQ	156.7980, -56.1140, -29.3140

Conversions

Conversions Part 2

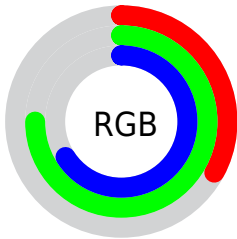
Format	Color
RYB	85, 144, 191
Decimal	5619625
CIELab	70.91, -35.94, 1.86
CIELCh	71, 35.985, 177.030
Yxy	42.0575, 0.2553, 0.3635
Android (android.graphics.Color)	4283809705 (0xFF55BFA9)
YUV	156.7980, 6.0156, -62.9668
Hunter-Lab	64.8518, -32.1876, 5.0733

Details

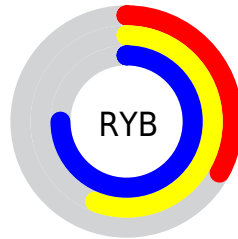
The Yxy color **42.0575, 0.2553, 0.3635** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.6325, 0.4412, 0.3002**, and the grayscale version is **33.6123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3563, 0.2661, 0.3573**, and **19.2273, 0.2386, 0.3742** is the 20% darker color. If you saturate the color by 10%, you get **41.1362, 0.2495, 0.3709**, and if you desaturate by 10%, it is **43.2278, 0.2629, 0.3564**.

Distribution



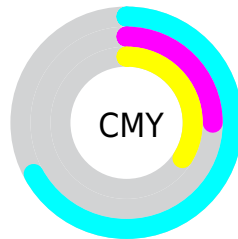
- Red (33%)
- Green (75%)
- Blue (66%)



- Red (33%)
- Yellow (56%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (67%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0575, 0.2553, 0.3635 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 42.0575, 0.2553, 0.3635 by changing the saturation by 10% instead.


 42.0575, 0.2553,
0.3635

 42.0575, 0.2553,
0.3635


354.7212, 0.2844,
0.3459


 29.1463, 0.2479,
0.3680


 78.2866, 0.2660,
0.3570


 19.1915, 0.2384,
0.3739


 102.3734, 0.2699,
0.3546

 11.8088, 0.2257,
0.3818


 130.9541, 0.2733,
0.3526

 6.6136, 0.2077,
0.3931

 164.4132, 0.2762,
0.3508

 3.2216, 0.1809,
0.4104

203.1351, 0.2786,
0.3493

 1.2485, 0.0995,
0.4588

247.5041, 0.2808,

 0.1008, 0.0000,

0.3480

1.0000

297.9047, 0.2827,
0.3469

■ 0.0000, 0.0000,
0.0000

■ 42.0575, 0.2553,
0.3635

■ 42.0575, 0.2553,
0.3635

■ 41.1362, 0.2495,
0.3709

■ 43.2278, 0.2629,
0.3564

■ 40.4391, 0.2455,
0.3784

■ 44.6599, 0.2720,
0.3495

■ 39.9447, 0.2435,
0.3860

■ 46.3716, 0.2824,
0.3431

■ 39.6243, 0.2433,
0.3935

■ 48.3776, 0.2938,
0.3372

■ 39.5105, 0.2436,
0.3969

■ 50.6916, 0.3059,
0.3318

■ 53.3266, 0.3184,
0.3269

■ 56.2946, 0.3311,
0.3224

■ 59.6071, 0.3438,
0.3185

■ 62.9150, 0.3547,
0.3150

Harmonies

Analogous

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



42.0575, 0.3010, 0.4075



42.0575, 0.2553, 0.3635



42.0575, 0.2262, 0.3113

Triad

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



42.0575, 0.2553, 0.3635



42.0575, 0.2682, 0.2483



42.0575, 0.4160, 0.3757

Complementary

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



42.0575, 0.2553, 0.3635



18.6325, 0.4412, 0.3002

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.



42.0575, 0.4072, 0.3349



42.0575, 0.2553, 0.3635



42.0575, 0.3178, 0.2650

Square

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



42.0575, 0.2553, 0.3635



42.0575, 0.2334, 0.2493



42.0575, 0.3700, 0.2958



42.0575, 0.3949, 0.4093

Rectangle

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



42.0575, 0.2553, 0.3635



42.0575, 0.2188, 0.2821



42.0575, 0.3700, 0.2958



42.0575, 0.4166, 0.3624

Sweetspot

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



42.0592, 0.2553, 0.3635



85.9679, 0.2917, 0.3382



41.1043, 0.3199, 0.4971



18.7121, 0.2894, 0.3394



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.



42.0592, 0.2553, 0.3635



73.3161, 0.2483, 0.3728



31.1700, 0.2332, 0.2808



10.7747, 0.3012, 0.3338



25.9766, 0.2433, 0.3959



1.0262, 0.2383, 0.3779

Inverse Universe

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



18.6325, 0.4412, 0.3002



27.0769, 0.4898, 0.2972



23.9995, 0.4506, 0.3696



9.5679, 0.3257, 0.3243



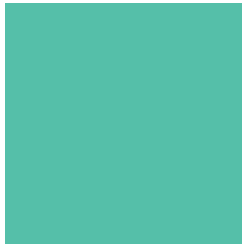
7.3879, 0.6029, 0.3095



0.2990, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 42.0575, 0.2553, 0.3635 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 42.0575, 0.2553, 0.3635 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

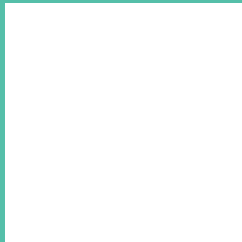
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0575, 0.2553, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 42.0575, 0.2553, 0.3635.

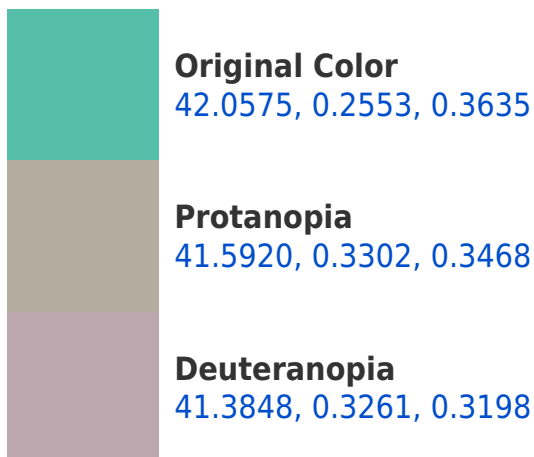


This preview shows how white text looks on a background with the Yxy color 42.0575, 0.2553, 0.3635.

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

41.8217, 0.2415, 0.3067

Trichromacy



Original Color

42.0575, 0.2553, 0.3635



Protanomaly

40.9043, 0.2965, 0.3525



Deuteranomaly

40.6085, 0.2945, 0.3347



Tritanomaly

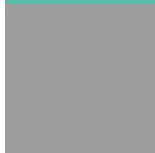
41.9159, 0.2466, 0.3273

Monochromacy



Original Color

42.0575, 0.2553, 0.3635



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.7744, 0.2861, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0575, 0.2553, 0.3635 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(85, 191, 169)` looks like.

```
.text, #text, p{  
    color:rgb(85, 191, 169)  
}
```

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(85, 191, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 191, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.0575, 0.2553, 0.3635 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(85, 191, 169) }
```

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

```
.border{ border-color:rgb(85, 191, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 191, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 191, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 191, 169);  
box-shadow:4px 4px 4px 4px rgb(85, 191,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0575, 0.2553, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 191, 169) }
```

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

```
.background{ background-color: rgb(85, 191,  
169) }
```

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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