

# Converting Colors

$Y_{xy}(41.3939, 0.2652, 0.3729)$

Have a look what the booklet for  
Yxy(41.3939, 0.2652, 0.3729)  
contains.

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# Color

**Yxy(41.4552, 0.2652, 0.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60BDA1
RGB	96, 189, 161
RGB Percent	38%, 74%, 63%
CMY	0.6233, 0.2588, 0.3686
CMYK	0.49, 0.00, 0.15, 0.26
HSL	162°, 41%, 56%
HSV	162°, 49%, 74%
XYZ	29.4585, 41.4552, 40.1667
YIQ	158.0010, -46.4400, -28.4240

# Conversions

## Conversions Part 2

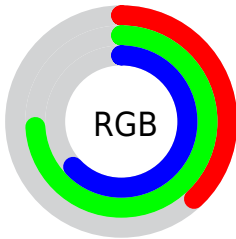
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 151, 189
Decimal	6340001
CIELab	70.49, -34.45, 5.69
CIElCh	70, 34.912, 170.622
Yxy	41.4552, 0.2652, 0.3732
Android (android.graphics.Color)	4284530081 (0xFF60BDA1)
YUV	158.0010, 1.4785, -54.3749
Hunter-Lab	64.3857, -31.0056, 8.0823

# Details

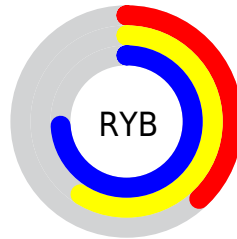
The Yxy color **41.4552, 0.2652, 0.3732** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **20.6508, 0.4057, 0.2908**, and the grayscale version is **34.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5448, 0.2741, 0.3646**, and **18.8288, 0.2502, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **40.3550, 0.2590, 0.3841**, and if you desaturate by 10%, it is **42.8143, 0.2730, 0.3628**.

# Distribution



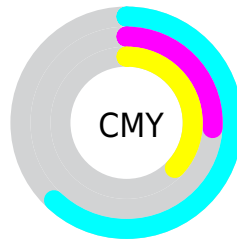
- Red (38%)
- Green (74%)
- Blue (63%)



- Red (38%)
- Yellow (59%)
- Blue (74%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)




- Cyan (62%)
- Magenta (26%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4552, 0.2652, 0.3732 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 41.4552, 0.2652, 0.3732 by changing the saturation by 10% instead.




 41.4552, 0.2652,  
0.3732

 41.4552, 0.2652,  
0.3732


352.2195, 0.2896,  
0.3501

 28.6749, 0.2589,  
0.3793


 77.3744, 0.2742,  
0.3646


 18.8351, 0.2507,  
0.3873


 101.2822, 0.2776,  
0.3614

 11.5512, 0.2396,  
0.3983


 129.6679, 0.2804,  
0.3588

 6.4388, 0.2237,  
0.4144

 162.9159, 0.2828,  
0.3565

 3.1137, 0.1993,  
0.4401

201.4107, 0.2848,  
0.3546

 1.1914, 0.1134,  
0.5131

245.5367, 0.2866,

 0.0547, 0.0000,

0.3529

1.0000

295.6781, 0.2882,  
0.3514

0.0000, 0.0000,  
0.0000

41.4552, 0.2652,  
0.3732

41.4552, 0.2652,  
0.3732

40.3550, 0.2590,  
0.3841

42.8143, 0.2730,  
0.3628

39.4907, 0.2546,  
0.3953

44.4437, 0.2820,  
0.3531

38.8434, 0.2521,  
0.4067


46.3598, 0.2919,  
0.3441

38.3890, 0.2516,  
0.4181


48.5766, 0.3026,  
0.3359


38.0845, 0.2528,  
0.4294


51.1068, 0.3136,  
0.3284

 38.0616, 0.2529,  
0.4303

 53.9627, 0.3249,  
0.3217

 57.1557, 0.3361,  
0.3158

 60.6968, 0.3472,  
0.3106

 62.4193, 0.3489,  
0.3052

# Harmonies

## Analogous

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



41.4552, 0.3121, 0.4114



41.4552, 0.2652, 0.3732



41.4552, 0.2326, 0.3223

# Triad

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



41.4552, 0.2652, 0.3732



41.4552, 0.2606, 0.2487



41.4552, 0.4142, 0.3665

# Complementary

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



41.4552, 0.2652, 0.3732



20.6508, 0.4057, 0.2908

# 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.



41.4552, 0.3991, 0.3264



41.4552, 0.2652, 0.3732



41.4552, 0.3067, 0.2617

# Square

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



41.4552, 0.2652, 0.3732



41.4552, 0.2304, 0.2539



41.4552, 0.3584, 0.2892



41.4552, 0.3995, 0.4016



# Rectangle

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



41.4552, 0.2652, 0.3732



41.4552, 0.2222, 0.2917



41.4552, 0.3584, 0.2892



41.4552, 0.4126, 0.3532

# Sweetspot

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



41.4569, 0.2652, 0.3732



84.5309, 0.2961, 0.3408



41.6361, 0.3275, 0.4728



18.0033, 0.2938, 0.3425



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.4569, 0.2652, 0.3732



72.1451, 0.2586, 0.3849



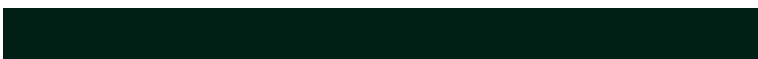
35.6527, 0.2439, 0.3023



10.7592, 0.3024, 0.3360



25.6240, 0.2525, 0.4289



1.0148, 0.2450, 0.4019



# Inverse Universe

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



20.6508, 0.4057, 0.2908



30.5714, 0.4390, 0.2843



23.4954, 0.4357, 0.3528



9.5824, 0.3242, 0.3221



7.4896, 0.5729, 0.2930

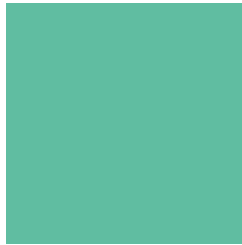


0.3053, 0.5027, 0.2543



# Previews

## White Background



This preview shows how the Yxy color 41.4552, 0.2652, 0.3732 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 41.4552, 0.2652, 0.3732 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 41.4552, 0.2652, 0.3732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4552, 0.2652, 0.3732.



This preview shows how white text looks on a background with the Yxy color 41.4552, 0.2652, 0.3732.

# 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

41.4552, 0.2652, 0.3732

### Protanopia

40.9439, 0.3374, 0.3566

### Deuteranopia

40.9728, 0.3353, 0.3291



## Tritanopia

41.5303, 0.2476, 0.3069

# Trichromacy



**Original Color**

41.4552, 0.2652, 0.3732

**Protanomaly**

40.5969, 0.3060, 0.3629

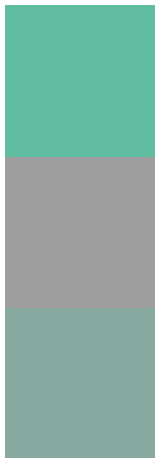
**Deuteranomaly**

40.0204, 0.3050, 0.3434

**Tritanomaly**

41.5042, 0.2540, 0.3303

# Monochromacy



**Original Color**

41.4552, 0.2652, 0.3732

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

36.0300, 0.2909, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4552, 0.2652, 0.3732 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(96, 189, 161)` looks like.

```
.text, #text, p{  
    color:rgb(96, 189, 161)  
}
```

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(96, 189, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 189, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4552, 0.2652, 0.3732 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(96, 189, 161) }
```

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

```
.border{ border-color:rgb(96, 189, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 189, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 189, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 189, 161);  
box-shadow:4px 4px 4px 4px rgb(96, 189,  
161) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 41.4552, 0.2652, 0.3732$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 189, 161) }
```

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

```
.background{ background-color: rgb(96, 189,  
161) }
```

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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