

Converting Colors

$Y_{xy}(41.0080, 0.2528, 0.3260)$

Have a look what the booklet for
Yxy(41.0080, 0.2528, 0.3260)
contains.

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Color

Yxy(41.1693, 0.2525, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	67B9BB
RGB	103, 185, 187
RGB Percent	40%, 73%, 73%
CMY	0.5964, 0.2745, 0.2666
CMYK	0.45, 0.01, 0.00, 0.27
HSL	181°, 38%, 57%
HSV	181°, 45%, 73%
XYZ	31.9068, 41.1693, 53.2876
YIQ	160.7100, -49.5140, -16.7620

Conversions

Conversions Part 2

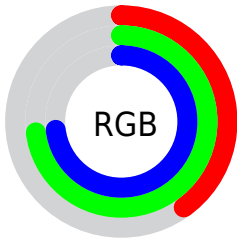
Format	Color
RYB	103, 144, 187
Decimal	6797755
CIELab	70.29, -24.46, -8.83
CIELCh	70, 26.005, 199.843
Yxy	41.1693, 0.2525, 0.3258
Android (android.graphics.Color)	4284987835 (0xFF67B9BB)
YUV	160.7100, 12.9610, -50.6117
Hunter-Lab	64.1633, -23.5221, -4.3260

Details

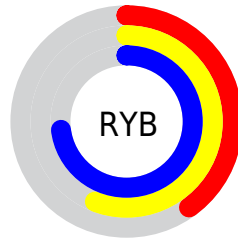
The Yxy color **41.1693, 0.2525, 0.3258** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.6338, 0.4297, 0.3321**, and the grayscale version is **35.4482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7526, 0.2635, 0.3266**, and **18.7816, 0.2356, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **40.0006, 0.2430, 0.3250**, and if you desaturate by 10%, it is **42.5890, 0.2637, 0.3266**.

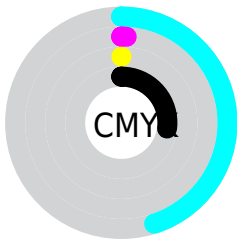
Distribution



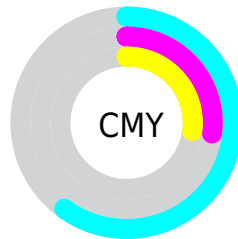
- Red (40%)
- Green (73%)
- Blue (73%)



- Red (40%)
- Yellow (56%)
- Blue (73%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)





- Cyan (60%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1693, 0.2525, 0.3258 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 41.1693, 0.2525, 0.3258 by changing the saturation by 10% instead.

 41.1693, 0.2525,
0.3258

 41.1693, 0.2525,
0.3258


351.0277, 0.2827,
0.3281


 28.4514, 0.2450,
0.3250


 76.9408, 0.2635,
0.3268


 18.6662, 0.2353,
0.3239


 100.7632, 0.2676,
0.3271

 11.4293, 0.2226,
0.3221


 129.0560, 0.2711,
0.3274

 6.3564, 0.2049,
0.3191

 162.2034, 0.2740,
0.3276

 3.0630, 0.1790,
0.3136

200.5898, 0.2766,
0.3277

 1.1647, 0.1275,
0.3054

244.5998, 0.2789,

 0.0326, 0.0000,

0.3279

0.0476

294.6176, 0.2809,
0.3280

0.0000, 0.0000,
0.0000

41.1693, 0.2525,
0.3258

41.1693, 0.2525,
0.3258

40.0006, 0.2430,
0.3250

42.5890, 0.2637,
0.3266

39.0614, 0.2353,
0.3242

44.2702, 0.2764,
0.3273

38.3347, 0.2295,
0.3234


46.2282, 0.2903,
0.3280


37.7986, 0.2256,
0.3226

48.4762, 0.3051,
0.3287

37.4269, 0.2234,
0.3219


51.0261, 0.3206,
0.3293

 37.2737, 0.2226,
0.3215

 53.8895, 0.3364,
0.3299

 57.0772, 0.3523,
0.3304

 60.5996, 0.3680,
0.3308

 61.2548, 0.3700,
0.3313

Harmonies

Analogous

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



41.1693, 0.2782, 0.3625



41.1693, 0.2525, 0.3258



41.1693, 0.2424, 0.2929

Triad

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



41.1693, 0.2525, 0.3258



41.1693, 0.3077, 0.2769



41.1693, 0.3787, 0.3840

Complementary

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



41.1693, 0.2525, 0.3258



21.6338, 0.4297, 0.3321

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.



41.1693, 0.3884, 0.3580



41.1693, 0.2525, 0.3258



41.1693, 0.3461, 0.2982

Square

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



41.1693, 0.2525, 0.3258



41.1693, 0.2728, 0.2675



41.1693, 0.3764, 0.3271



41.1693, 0.3510, 0.3969

Rectangle

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



41.1693, 0.2525, 0.3258



41.1693, 0.2453, 0.2777



41.1693, 0.3764, 0.3271



41.1693, 0.3842, 0.3764

Sweetspot

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



41.1709, 0.2525, 0.3258



83.4454, 0.2928, 0.3281



39.4334, 0.3053, 0.4653



18.1904, 0.2896, 0.3280



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.



41.1709, 0.2525, 0.3258



71.6434, 0.2431, 0.3250



26.2843, 0.2409, 0.2588



10.7694, 0.2985, 0.3284



25.6925, 0.2227, 0.3216



1.0188, 0.2232, 0.3234

Inverse Universe

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



23.7560, 0.3200, 0.2230



36.6253, 0.3216, 0.2030



32.2178, 0.4020, 0.3892



9.6923, 0.3141, 0.3069



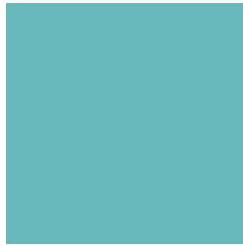
9.6234, 0.3269, 0.1574



0.3782, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 41.1693, 0.2525, 0.3258 looks on a white background.

Color Contrast Check

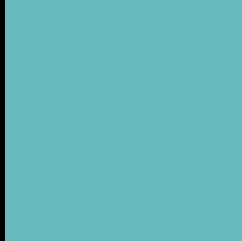
Large Text (above 18pt) WCAG AA × Fail

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 41.1693, 0.2525, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

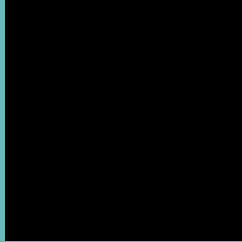
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

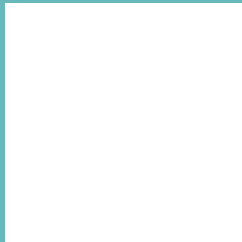
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1693, 0.2525, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 41.1693, 0.2525, 0.3258.

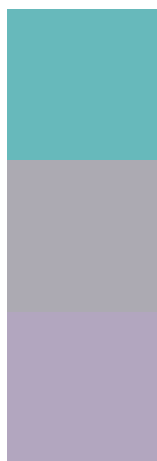


This preview shows how white text looks on a background with the Yxy color 41.1693, 0.2525, 0.3258.

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

41.1693, 0.2525, 0.3258

Protanopia

40.7345, 0.3078, 0.3181

Deuteranopia

40.4990, 0.3026, 0.2960



Tritanopia

41.0084, 0.2474, 0.3068

Trichromacy



Original Color

41.1693, 0.2525, 0.3258

Protanomaly

40.1992, 0.2845, 0.3203

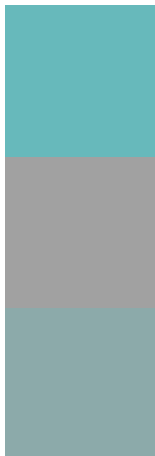
Deuteranomaly

40.1842, 0.2809, 0.3051

Tritanomaly

41.1793, 0.2494, 0.3140

Monochromacy



Original Color

41.1693, 0.2525, 0.3258

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.2272, 0.2867, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1693, 0.2525, 0.3258 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(103, 185, 187)` looks like.

```
.text, #text, p{  
    color:rgb(103, 185, 187)  
}
```

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(103, 185, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 185, 187) }
```

Border

The CSS property to change the border of an element to Yxy 41.1693, 0.2525, 0.3258 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(103, 185, 187) }
```

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

```
.border{ border-color:rgb(103, 185, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 185, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 185, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 185, 187);  
box-shadow:4px 4px 4px 4px rgb(103, 185,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1693, 0.2525, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 185, 187) }
```

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

```
.background{ background-color: rgb(103,  
185, 187) }
```

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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