

Converting Colors

$Yxy(41.3641, 0.2487, 0.3201)$

Have a look what the booklet for
Yxy(41.3641, 0.2487, 0.3201)
contains.

Yxy(41.1688, 0.2487, 0.3198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.1688, 0.2487, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	64B9BF
RGB	100, 185, 191
RGB Percent	39%, 73%, 75%
CMY	0.6075, 0.2745, 0.2510
CMYK	0.48, 0.03, 0.00, 0.25
HSL	184°, 42%, 57%
HSV	184°, 48%, 75%
XYZ	32.0159, 41.1688, 55.5483
YIQ	160.2690, -52.5860, -16.1540

Conversions

Conversions Part 2

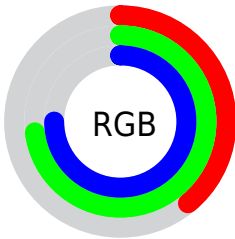
Format	Color
RYB	100, 144, 191
Decimal	6601151
CIELab	70.29, -24.06, -11.03
CIElCh	70, 26.470, 204.617
Yxy	41.1688, 0.2487, 0.3198
Android (android.graphics.Color)	4284791231 (0xFF64B9BF)
YUV	160.2690, 15.1504, -52.8559
Hunter-Lab	64.1629, -23.2175, -6.4156

Details

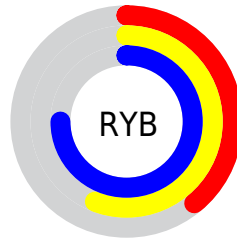
The Yxy color **41.1688, 0.2487, 0.3198** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.3281, 0.4377, 0.3375**, and the grayscale version is **35.2422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7941, 0.2606, 0.3220**, and **18.7886, 0.2307, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **39.6788, 0.2392, 0.3176**, and if you desaturate by 10%, it is **42.9220, 0.2599, 0.3219**.

Distribution



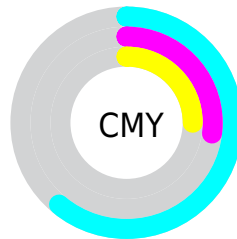
- Red (39%)
- Green (73%)
- Blue (75%)



- Red (39%)
- Yellow (56%)
- Blue (75%)



- Cyan (48%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)




- Cyan (61%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1688, 0.2487, 0.3198 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 41.1688, 0.2487, 0.3198 by changing the saturation by 10% instead.


 41.1688, 0.2487,
0.3198

 41.1688, 0.2487,
0.3198


351.0256, 0.2807,
0.3252

 28.4510, 0.2408,
0.3182


 76.9401, 0.2603,
0.3220


 18.6659, 0.2306,
0.3159


 100.7623, 0.2647,
0.3227

 11.4291, 0.2172,
0.3127


 129.0549, 0.2683,
0.3233

 6.3562, 0.1988,
0.3075

 162.2021, 0.2715,
0.3239

 3.0629, 0.1720,
0.2987

200.5884, 0.2743,
0.3243

 1.1647, 0.1210,
0.2843

244.5981, 0.2767,

 0.0326, 0.0000,

0.3247

0.0388

294.6158, 0.2788,
0.3250

0.0000, 0.0000,
0.0000

41.1688, 0.2487,
0.3198

41.1688, 0.2487,
0.3198

39.6788, 0.2392,
0.3176

42.9220, 0.2599,
0.3219

38.4292, 0.2315,
0.3154

44.9501, 0.2726,
0.3240

37.4011, 0.2257,
0.3131


47.2695, 0.2864,
0.3259


36.5705, 0.2217,
0.3109

49.8943, 0.3011,
0.3277

35.9024, 0.2194,
0.3087

52.8374, 0.3164,
0.3294

 35.7513, 0.2190,
0.3082

 56.1111, 0.3321,
0.3309

 59.7269, 0.3478,
0.3322

 63.6959, 0.3633,
0.3334

 64.6613, 0.3648,
0.3347

Harmonies

Analogous

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



41.1688, 0.2725, 0.3574



41.1688, 0.2487, 0.3198



41.1688, 0.2413, 0.2880

Triad

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



41.1688, 0.2487, 0.3198



41.1688, 0.3138, 0.2788



41.1688, 0.3764, 0.3882

Complementary

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



41.1688, 0.2487, 0.3198



22.3281, 0.4377, 0.3375

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.



41.1688, 0.3897, 0.3632



41.1688, 0.2487, 0.3198



41.1688, 0.3525, 0.3020

Square

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



41.1688, 0.2487, 0.3198



41.1688, 0.2771, 0.2670



41.1688, 0.3809, 0.3321



41.1688, 0.3460, 0.3984

Rectangle

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



41.1688, 0.2487, 0.3198



41.1688, 0.2460, 0.2741



41.1688, 0.3809, 0.3321



41.1688, 0.3831, 0.3810

Sweetspot

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



41.1704, 0.2487, 0.3198



86.1831, 0.2913, 0.3266



40.9889, 0.3031, 0.4700



18.7068, 0.2881, 0.3261



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.



41.1704, 0.2487, 0.3198



70.9899, 0.2389, 0.3175



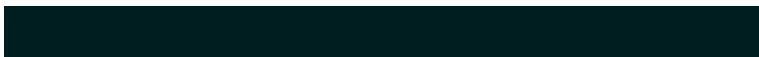
25.5270, 0.2357, 0.2486



10.6986, 0.2985, 0.3274



23.5419, 0.2190, 0.3085



0.9550, 0.2205, 0.3137

Inverse Universe

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



23.7116, 0.3248, 0.2213



36.3952, 0.3278, 0.2018



33.8407, 0.4068, 0.3966



9.6851, 0.3147, 0.3079



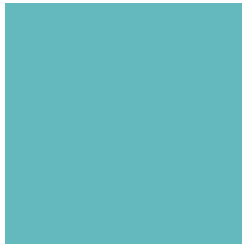
9.4063, 0.3380, 0.1636



0.3718, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 41.1688, 0.2487, 0.3198 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 41.1688, 0.2487, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

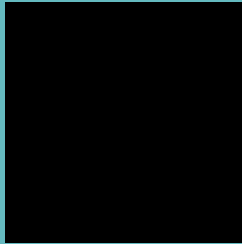
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

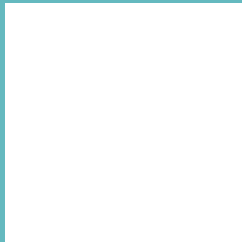
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1688, 0.2487, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 41.1688, 0.2487, 0.3198.

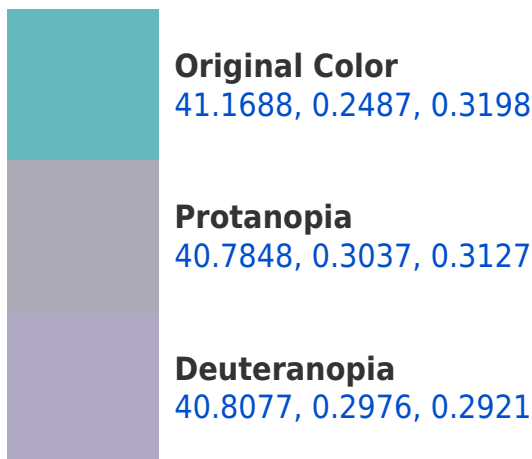


This preview shows how white text looks on a background with the Yxy color 41.1688, 0.2487, 0.3198.

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

41.2881, 0.2455, 0.3068

Trichromacy



Original Color

41.1688, 0.2487, 0.3198

Protanomaly

40.1825, 0.2800, 0.3146

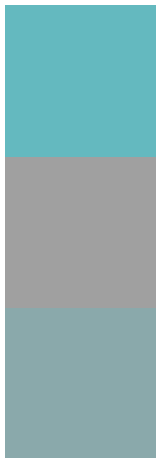
Deuteranomaly

40.4630, 0.2759, 0.3010

Tritanomaly

41.0913, 0.2466, 0.3110

Monochromacy



Original Color

41.1688, 0.2487, 0.3198

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7195, 0.2842, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1688, 0.2487, 0.3198 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(100, 185, 191)` looks like.

```
.text, #text, p{  
    color:rgb(100, 185, 191)  
}
```

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(100, 185, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 185, 191) }
```

Border

The CSS property to change the border of an element to Yxy 41.1688, 0.2487, 0.3198 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(100, 185, 191) }
```

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

```
.border{ border-color:rgb(100, 185, 191) }
```

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

Here you see how a box with a 4 pixel rgb(100, 185, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 185, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 185, 191);  
box-shadow:4px 4px 4px 4px rgb(100, 185,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1688, 0.2487, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 185, 191) }
```

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

```
.background{ background-color: rgb(100,  
185, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor