

Converting Colors

$Y_{xy}(41.9207, 0.2583, 0.3404)$

Have a look what the booklet for
Yxy(41.9207, 0.2583, 0.3404)
contains.

Yxy(41.8392, 0.2583, 0.3395)	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(41.8392, 0.2583, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	69BBB4
RGB	105, 187, 180
RGB Percent	41%, 73%, 71%
CMY	0.5882, 0.2666, 0.2942
CMYK	0.44, 0.00, 0.04, 0.27
HSL	175°, 38%, 57%
HSV	175°, 44%, 73%
XYZ	31.8323, 41.8392, 49.5662
YIQ	161.6840, -46.6250, -19.5610

Conversions

Conversions Part 2

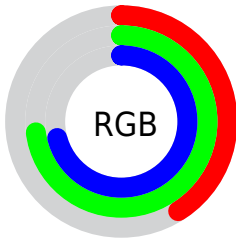
Format	Color
R _Y B	105, 148, 187
Decimal	6929332
CIE Lab	70.76, -26.74, -4.27
CIE LCh	71, 27.077, 189.066
Yxy	41.8392, 0.2583, 0.3395
Android (android.graphics.Color)	4285119412 (0xFF69BBB4)
YUV	161.6840, 9.0298, -49.7119
Hunter-Lab	64.6832, -25.3512, -0.1552

Details

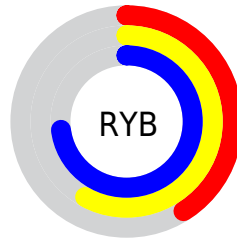
The Yxy color **41.8392, 0.2583, 0.3395** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8395, 0.4165, 0.3195**, and the grayscale version is **35.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7344, 0.2682, 0.3369**, and **18.9357, 0.2426, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **40.7653, 0.2495, 0.3423**, and if you desaturate by 10%, it is **43.1661, 0.2687, 0.3368**.

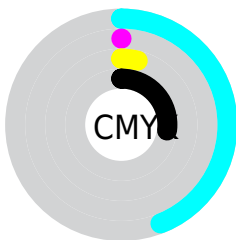
Distribution



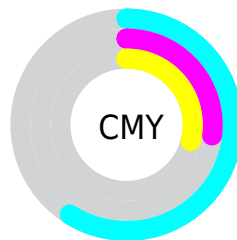
- Red (41%)
- Green (73%)
- Blue (71%)



- Red (41%)
- Yellow (58%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (59%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8392, 0.2583, 0.3395 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 41.8392, 0.2583, 0.3395 by changing the saturation by 10% instead.

 41.8392, 0.2583,
0.3395


 41.8392, 0.2583,
0.3395


353.8159, 0.2857,
0.3346


 28.9754, 0.2514,
0.3406


 77.9562, 0.2683,
0.3378


 19.0622, 0.2426,
0.3420


 101.9782, 0.2720,
0.3371

 11.7152, 0.2309,
0.3437

 130.4884, 0.2752,
0.3365

 6.5501, 0.2145,
0.3459

 163.8711, 0.2779,
0.3360

 3.1824, 0.1902,
0.3485

202.5109, 0.2802,
0.3356

 1.2277, 0.1390,
0.3558

246.7920, 0.2823,

 0.0841, 0.0000,

0.3352

0.1775

297.0989, 0.2841,
0.3349

0.0000, 0.0000,
0.0000

41.8392, 0.2583,
0.3395

41.8392, 0.2583,
0.3395

40.7653, 0.2495,
0.3423

43.1661, 0.2687,
0.3368

39.9230, 0.2424,
0.3451

44.7561, 0.2806,
0.3343

39.2954, 0.2373,
0.3480


46.6246, 0.2935,
0.3320

38.8613, 0.2340,
0.3509


48.7846, 0.3073,
0.3298

38.5950, 0.2325,
0.3538


51.2479, 0.3216,
0.3278

 38.4826, 0.2321,
0.3556

 54.0262, 0.3361,
0.3261

 57.1300, 0.3508,
0.3245

 60.5697, 0.3653,
0.3231

 60.7161, 0.3642,
0.3215

Harmonies

Analogous

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



41.8392, 0.2895, 0.3758



41.8392, 0.2583, 0.3395



41.8392, 0.2418, 0.3026

Triad

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



41.8392, 0.2583, 0.3395



41.8392, 0.2935, 0.2701



41.8392, 0.3871, 0.3772

Complementary

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



41.8392, 0.2583, 0.3395



21.8395, 0.4165, 0.3195

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.



41.8392, 0.3893, 0.3476



41.8392, 0.2583, 0.3395



41.8392, 0.3333, 0.2881

Square

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



41.8392, 0.2583, 0.3395



41.8392, 0.2611, 0.2655



41.8392, 0.3691, 0.3157



41.8392, 0.3642, 0.3966

Rectangle

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



41.8392, 0.2583, 0.3395



41.8392, 0.2405, 0.2835



41.8392, 0.3691, 0.3157



41.8392, 0.3904, 0.3681

Sweetspot

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



41.8408, 0.2583, 0.3395



83.7309, 0.2944, 0.3318



40.0871, 0.3125, 0.4612



18.2639, 0.2914, 0.3323



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.



41.8408, 0.2583, 0.3395



73.0046, 0.2495, 0.3423



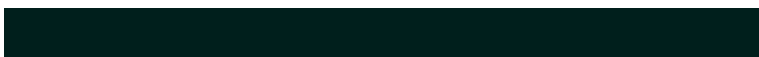
29.7701, 0.2454, 0.2769



10.7951, 0.2996, 0.3310



26.5184, 0.2320, 0.3552



1.0429, 0.2301, 0.3483

Inverse Universe

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



21.8395, 0.4165, 0.3195



32.4011, 0.4550, 0.3178



29.7060, 0.4053, 0.3750



9.5493, 0.3275, 0.3271



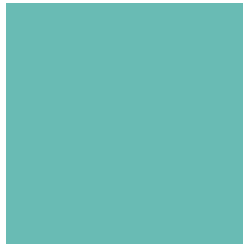
7.3097, 0.6290, 0.3239



0.2909, 0.5912, 0.3030

Previews

White Background



This preview shows how the Yxy color 41.8392, 0.2583, 0.3395 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 41.8392, 0.2583, 0.3395 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

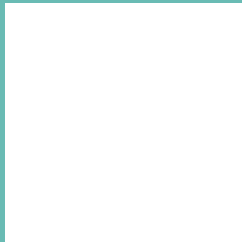
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8392, 0.2583, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 41.8392, 0.2583, 0.3395.

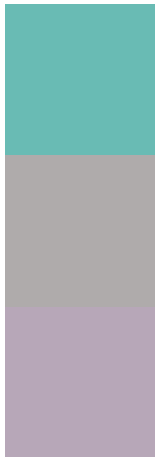


This preview shows how white text looks on a background with the Yxy color 41.8392, 0.2583, 0.3395.

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

41.8392, 0.2583, 0.3395

Protanopia

41.1801, 0.3163, 0.3290

Deuteranopia

41.1654, 0.3129, 0.3066



Tritanopia

41.7840, 0.2499, 0.3070

Trichromacy



Original Color

41.8392, 0.2583, 0.3395

Protanomaly

40.9843, 0.2922, 0.3332

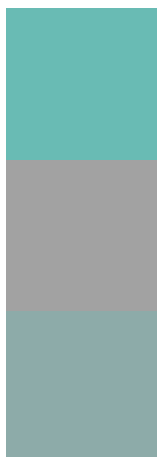
Deuteranomaly

40.6596, 0.2894, 0.3163

Tritanomaly

41.7549, 0.2530, 0.3185

Monochromacy



Original Color

41.8392, 0.2583, 0.3395

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6531, 0.2883, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8392, 0.2583, 0.3395 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(105, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(105, 187, 180)  
}
```

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(105, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 187, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.8392, 0.2583, 0.3395 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(105, 187, 180) }
```

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

```
.border{ border-color:rgb(105, 187, 180) }
```

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

Here you see how a box with a 4 pixel rgb(105, 187, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(105, 187,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8392, 0.2583, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 187, 180) }
```

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

```
.background{ background-color: rgb(105,  
187, 180) }
```

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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