

Converting Colors

$Yxy(41.5225, 0.2308, 0.3088)$

Have a look what the booklet for
Yxy(41.5225, 0.2308, 0.3088)
contains.

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Color

Yxy(41.4487, 0.2311, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	45BCC9
RGB	69, 188, 201
RGB Percent	27%, 74%, 79%
CMY	0.7294, 0.2627, 0.2118
CMYK	0.66, 0.06, 0.00, 0.21
HSL	186°, 55%, 53%
HSV	186°, 66%, 79%
XYZ	30.9793, 41.4487, 61.6234
YIQ	153.9010, -75.0970, -21.1850

Conversions

Conversions Part 2

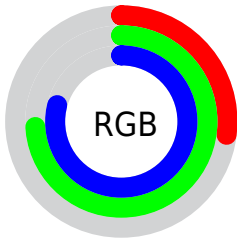
Format	Color
RYB	69, 132, 201
Decimal	4570313
CIELab	70.49, -28.70, -16.31
CIElCh	70, 33.014, 209.616
Yxy	41.4487, 0.2311, 0.3092
Android (android.graphics.Color)	4282760393 (0xFF45BCC9)
YUV	153.9010, 23.2198, -74.4582
Hunter-Lab	64.3807, -26.7739, -11.6843

Details

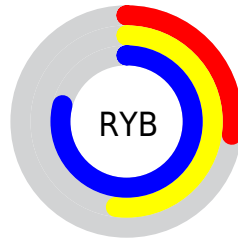
The Yxy color **41.4487, 0.2311, 0.3092** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **18.8803, 0.5137, 0.3442**, and the grayscale version is **32.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4303, 0.2468, 0.3173**, and **19.1568, 0.2171, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **39.9959, 0.2245, 0.3058**, and if you desaturate by 10%, it is **43.1650, 0.2396, 0.3126**.

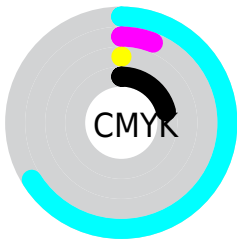
Distribution



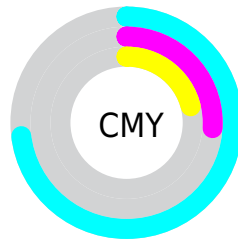
- Red (27%)
- Green (74%)
- Blue (79%)



- Red (27%)
- Yellow (52%)
- Blue (79%)



- Cyan (66%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)




- Cyan (73%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4487, 0.2311, 0.3092 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 41.4487, 0.2311, 0.3092 by changing the saturation by 10% instead.


 41.4487, 0.2311,
0.3092

 41.4487, 0.2311,
0.3092


352.1925, 0.2714,
0.3205

 28.6699, 0.2213,
0.3060


 77.3646, 0.2456,
0.3136


 18.8312, 0.2089,
0.3016


 101.2704, 0.2511,
0.3152

 11.5484, 0.1927,
0.2954


 129.6540, 0.2557,
0.3164

 6.4370, 0.1710,
0.2860

 162.8997, 0.2597,
0.3175

 3.1126, 0.1406,
0.2707

201.3921, 0.2632,
0.3184

 1.1908, 0.0834,
0.2463

245.5154, 0.2663,

 0.0542, 0.0000,

0.3192

0.0425

295.6541, 0.2690,
0.3199

0.0000, 0.0000,
0.0000

41.4487, 0.2311,
0.3092

41.4487, 0.2311,
0.3092

39.9959, 0.2245,
0.3058

43.1650, 0.2396,
0.3126

38.7757, 0.2199,
0.3024

45.1629, 0.2498,
0.3159

37.7570, 0.2170,
0.2991

47.4641, 0.2616,
0.3191

37.3509, 0.2160,
0.2976

50.0869, 0.2748,
0.3221

53.0480, 0.2890,
0.3250

■ 56.3631, 0.3040,
0.3276

■ 60.0466, 0.3194,
0.3300

■ 64.1124, 0.3350,
0.3322

■ 68.5734, 0.3506,
0.3341

Harmonies

Analogous

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



41.4487, 0.2567, 0.3567



41.4487, 0.2311, 0.3092



41.4487, 0.2259, 0.2726

Triad

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



41.4487, 0.2311, 0.3092



41.4487, 0.3219, 0.2716



41.4487, 0.3861, 0.4055

Complementary

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



41.4487, 0.2311, 0.3092



18.8803, 0.5137, 0.3442

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.



41.4487, 0.4074, 0.3759



41.4487, 0.2311, 0.3092



41.4487, 0.3693, 0.3012

Square

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



41.4487, 0.2311, 0.3092



41.4487, 0.2752, 0.2546



41.4487, 0.4016, 0.3382



41.4487, 0.3456, 0.4159

Rectangle

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



41.4487, 0.2311, 0.3092



41.4487, 0.2339, 0.2583



41.4487, 0.4016, 0.3382



41.4487, 0.3959, 0.3972

Sweetspot

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



41.4502, 0.2311, 0.3092



88.4160, 0.2824, 0.3237



43.6163, 0.2983, 0.5248



18.6192, 0.2783, 0.3229



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.4502, 0.2311, 0.3092



67.5061, 0.2222, 0.3043



19.8971, 0.2059, 0.2028



11.8822, 0.2984, 0.3267



23.5611, 0.2161, 0.2981



1.1686, 0.2181, 0.3051

Inverse Universe

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



20.3043, 0.3354, 0.1929



29.8646, 0.3408, 0.1768



33.4040, 0.4483, 0.4226



10.7979, 0.3152, 0.3084



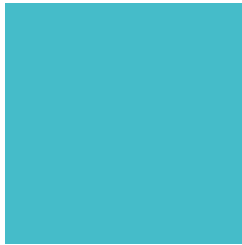
9.9185, 0.3471, 0.1686



0.4750, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 41.4487, 0.2311, 0.3092 looks on a white background.

Color Contrast Check

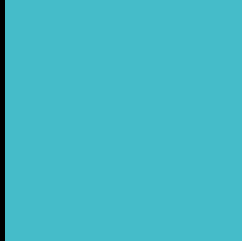
Large Text (above 18pt) WCAG AA × Fail

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 41.4487, 0.2311, 0.3092 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

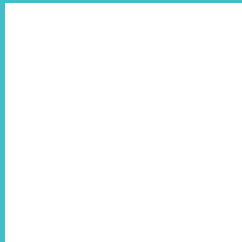
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4487, 0.2311, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 41.4487, 0.2311, 0.3092.



This preview shows how white text looks on a background with the Yxy color 41.4487, 0.2311, 0.3092.

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

41.4487, 0.2311, 0.3092

Protanopia

40.8586, 0.2964, 0.3033

Deuteranopia

40.7516, 0.2849, 0.2780



Tritanopia

41.5803, 0.2305, 0.3063

Trichromacy



Original Color

41.4487, 0.2311, 0.3092

Protanomaly

40.2811, 0.2659, 0.3059

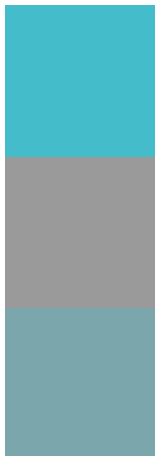
Deuteranomaly

40.0879, 0.2592, 0.2882

Tritanomaly

41.5328, 0.2310, 0.3078

Monochromacy



Original Color

41.4487, 0.2311, 0.3092

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.4237, 0.2719, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4487, 0.2311, 0.3092 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(69, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(69, 188, 201)  
}
```

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(69, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 188, 201) }
```

Border

The CSS property to change the border of an element to Yxy 41.4487, 0.2311, 0.3092 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(69, 188, 201) }
```

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

```
.border{ border-color:rgb(69, 188, 201) }
```

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

Here you see how a box with a 4 pixel rgb(69, 188, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(69, 188,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4487, 0.2311, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 188, 201) }
```

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

```
.background{ background-color: rgb(69, 188,  
201) }
```

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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