

Converting Colors

$Yxy(44.2063, 0.2441, 0.3092)$

Have a look what the booklet for
Yxy(44.2063, 0.2441, 0.3092)
contains.

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Color

Yxy(44.0113, 0.2440, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	66BECC
RGB	102, 190, 204
RGB Percent	40%, 75%, 80%
CMY	0.6001, 0.2549, 0.2001
CMYK	0.50, 0.07, 0.00, 0.20
HSL	188°, 50%, 60%
HSV	188°, 50%, 80%
XYZ	34.7870, 44.0113, 63.7715
YIQ	165.2840, -56.9420, -14.3020

Conversions

Conversions Part 2

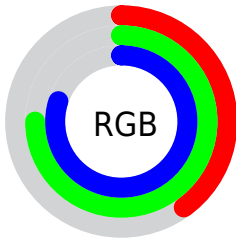
Format	Color
RYB	102, 149, 204
Decimal	6733516
CIELab	72.24, -22.67, -15.20
CIElCh	72, 27.299, 213.843
Yxy	44.0113, 0.2440, 0.3087
Android (android.graphics.Color)	4284923596 (0xFF66BECC)
YUV	165.2840, 19.0870, -55.5001
Hunter-Lab	66.3410, -22.4973, -10.5549

Details

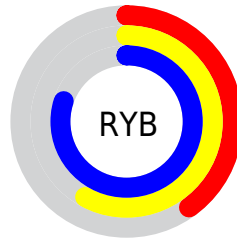
The Yxy color **44.0113, 0.2440, 0.3087** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.2697, 0.4431, 0.3472**, and the grayscale version is **37.6948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1125, 0.2588, 0.3199**, and **20.2614, 0.2253, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **41.7663, 0.2340, 0.3040**, and if you desaturate by 10%, it is **46.5760, 0.2556, 0.3133**.

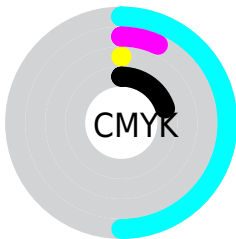
Distribution



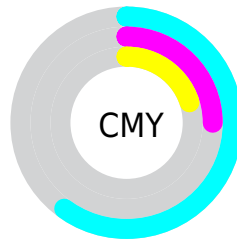
- Red (40%)
- Green (75%)
- Blue (80%)



- Red (40%)
- Yellow (58%)
- Blue (80%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (60%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0113, 0.2440, 0.3087 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 44.0113, 0.2440, 0.3087 by changing the saturation by 10% instead.


 44.0113, 0.2440,
0.3087


 44.0113, 0.2440,
0.3087


362.7544, 0.2778,
0.3198


 30.6794, 0.2358,
0.3057


 81.2347, 0.2561,
0.3129

 20.3548, 0.2254,
0.3017


 105.8951, 0.2607,
0.3144

 12.6532, 0.2118,
0.2961


 135.1003, 0.2646,
0.3157

 7.1902, 0.1935,
0.2879

 169.2349, 0.2680,
0.3168

 3.5813, 0.1675,
0.2748

208.6832, 0.2709,
0.3177

 1.4422, 0.1282,
0.2519

253.8296, 0.2735,

 0.2475, 0.0000,

0.3185

0.1520

305.0586, 0.2758,
0.3192

0.0000, 0.0000,
0.0000

44.0113, 0.2440,
0.3087

44.0113, 0.2440,
0.3087

41.7663, 0.2340,
0.3040

46.5760, 0.2556,
0.3133

39.8139, 0.2259,
0.2992

49.4751, 0.2686,
0.3176

38.1308, 0.2196,
0.2943

52.7284, 0.2826,
0.3217

36.6871, 0.2153,
0.2895

56.3526, 0.2974,
0.3255

35.4280, 0.2124,
0.2848

60.3635, 0.3127,
0.3290

■ 64.7755, 0.3282,
0.3321

■ 69.6027, 0.3436,
0.3350

■ 72.8810, 0.3510,
0.3377

■ 74.2924, 0.3505,
0.3405

Harmonies

Analogous

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



44.0113, 0.2632, 0.3461



44.0113, 0.2440, 0.3087



44.0113, 0.2419, 0.2803

Triad

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



44.0113, 0.2440, 0.3087



44.0113, 0.3262, 0.2845



44.0113, 0.3689, 0.3938

Complementary

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



44.0113, 0.2440, 0.3087



26.2697, 0.4431, 0.3472

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.



44.0113, 0.3885, 0.3722



44.0113, 0.2440, 0.3087



44.0113, 0.3633, 0.3106

Square

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



44.0113, 0.2440, 0.3087



44.0113, 0.2873, 0.2688



44.0113, 0.3866, 0.3419



44.0113, 0.3348, 0.3981

Rectangle

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



44.0113, 0.2440, 0.3087



44.0113, 0.2503, 0.2695



44.0113, 0.3866, 0.3419



44.0113, 0.3775, 0.3881

Sweetspot

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



44.0130, 0.2440, 0.3087



90.1576, 0.2897, 0.3236



47.2481, 0.2979, 0.4661



19.0266, 0.2865, 0.3228



0.0000, 0.0000, 0.0000



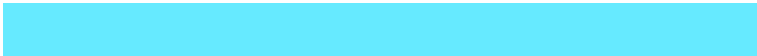
21.4041, 0.3127, 0.3290

Same Dimension

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



44.0130, 0.2440, 0.3087



68.9205, 0.2333, 0.3036



25.7559, 0.2288, 0.2297



12.4549, 0.2983, 0.3257



22.4061, 0.2126, 0.2854



1.2300, 0.2152, 0.2947

Inverse Universe

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



26.0499, 0.3337, 0.2232



36.7063, 0.3393, 0.2047



41.2746, 0.4076, 0.4100



11.3763, 0.3158, 0.3092



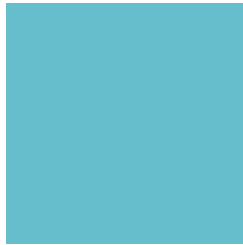
10.0649, 0.3585, 0.1748



0.5267, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 44.0113, 0.2440, 0.3087 looks on a white background.

Color Contrast Check

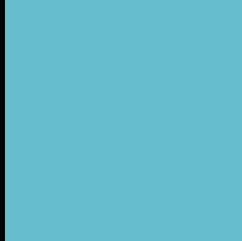
Large Text (above 18pt) WCAG AA × Fail

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 44.0113, 0.2440, 0.3087 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 44.0113, 0.2440, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 44.0113, 0.2440, 0.3087.



This preview shows how white text looks on a background with the Yxy color 44.0113, 0.2440, 0.3087.

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

44.0113, 0.2440, 0.3087

Protanopia

43.5537, 0.2968, 0.3040

Deuteranopia

43.5241, 0.2894, 0.2831



Tritanopia

44.0595, 0.2435, 0.3073

Trichromacy



Original Color

44.0113, 0.2440, 0.3087

Protanomaly

43.0156, 0.2738, 0.3041

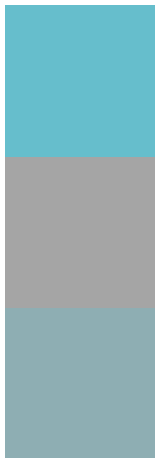
Deuteranomaly

43.2292, 0.2692, 0.2912

Tritanomaly

44.0595, 0.2435, 0.3073

Monochromacy



Original Color

44.0113, 0.2440, 0.3087

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.2776, 0.2819, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0113, 0.2440, 0.3087 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(102, 190, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 190, 204)  
}
```

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(102, 190, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 190, 204) }
```

Border

The CSS property to change the border of an element to Yxy 44.0113, 0.2440, 0.3087 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(102, 190, 204) }
```

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

```
.border{ border-color:rgb(102, 190, 204) }
```

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

Here you see how a box with a 4 pixel rgb(102, 190, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 190,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0113, 0.2440, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 190, 204) }
```

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

```
.background{ background-color: rgb(102,  
190, 204) }
```

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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