

Converting Colors

$Yxy(44.6693, 0.2493, 0.3090)$

Have a look what the booklet for
Yxy(44.6693, 0.2493, 0.3090)
contains.

Yxy(44.6313, 0.2491, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.6313, 0.2491, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	70BECC
RGB	112, 190, 204
RGB Percent	44%, 75%, 80%
CMY	0.5610, 0.2549, 0.1999
CMYK	0.45, 0.07, 0.00, 0.20
HSL	189°, 47%, 62%
HSV	189°, 45%, 80%
XYZ	35.9911, 44.6313, 63.8622
YIQ	168.2740, -50.9820, -12.1820

Conversions

Conversions Part 2

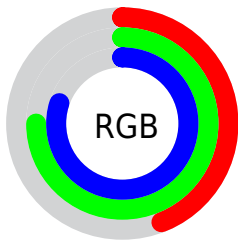
Format	Color
RYB	112, 154, 204
Decimal	7388876
CIELab	72.65, -20.37, -14.57
CIElCh	73, 25.047, 215.576
Yxy	44.6313, 0.2491, 0.3089
Android (android.graphics.Color)	4285578956 (0xFF70BECC)
YUV	168.2740, 17.6129, -49.3523
Hunter-Lab	66.8067, -20.7474, -9.9122

Details

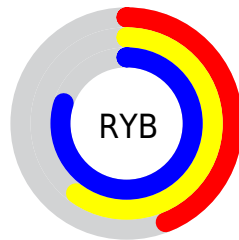
The Yxy color **44.6313, 0.2491, 0.3089** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.9209, 0.4239, 0.3474**, and the grayscale version is **39.2247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4564, 0.2629, 0.3189**, and **20.5946, 0.2314, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **42.1125, 0.2381, 0.3037**, and if you desaturate by 10%, it is **47.4854, 0.2616, 0.3139**.

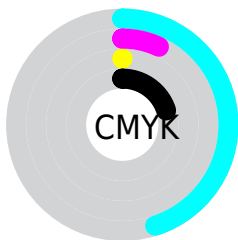
Distribution



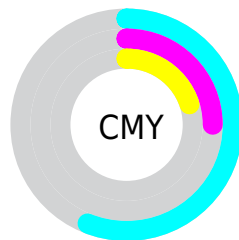
- Red (44%)
- Green (75%)
- Blue (80%)



- Red (44%)
- Yellow (60%)
- Blue (80%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (56%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6313, 0.2491, 0.3089 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 44.6313, 0.2491, 0.3089 by changing the saturation by 10% instead.


 44.6313, 0.2491,
0.3089


 44.6313, 0.2491,
0.3089


365.2783, 0.2804,
0.3197

 31.1671, 0.2415,
0.3060


 82.1669, 0.2603,
0.3130

 20.7261, 0.2318,
0.3021


 107.0070, 0.2646,
0.3145

 12.9240, 0.2192,
0.2968


 136.4080, 0.2682,
0.3157

 7.3762, 0.2022,
0.2890

170.7541, 0.2713,
0.3168

 3.6985, 0.1779,
0.2767

210.4298, 0.2740,
0.3177

 1.5064, 0.1412,
0.2552

255.8195, 0.2764,

 0.2932, 0.0000,

0.3184

0.1744

307.3075, 0.2785,
0.3191

0.0000, 0.0000,
0.0000

44.6313, 0.2491,
0.3089

44.6313, 0.2491,
0.3089

42.1125, 0.2381,
0.3037

47.4854, 0.2616,
0.3139

39.9028, 0.2289,
0.2983

50.6886, 0.2752,
0.3186

37.9805, 0.2215,
0.2929

54.2600, 0.2897,
0.3230

36.3183, 0.2160,
0.2875

58.2160, 0.3048,
0.3271

34.8830, 0.2124,
0.2821

62.5716, 0.3202,
0.3307

 34.2365, 0.2110,
0.2796

 67.3412, 0.3357,
0.3341

 72.5384, 0.3509,
0.3370

 74.1497, 0.3505,
0.3402

 75.7452, 0.3499,
0.3433

Harmonies

Analogous

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



44.6313, 0.2660, 0.3427



44.6313, 0.2491, 0.3089



44.6313, 0.2481, 0.2835

Triad

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



44.6313, 0.2491, 0.3089



44.6313, 0.3272, 0.2893



44.6313, 0.3627, 0.3890

Complementary

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



44.6313, 0.2491, 0.3089



28.9209, 0.4239, 0.3474

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.



44.6313, 0.3814, 0.3703



44.6313, 0.2491, 0.3089



44.6313, 0.3605, 0.3138

Square

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



44.6313, 0.2491, 0.3089



44.6313, 0.2915, 0.2741



44.6313, 0.3808, 0.3428



44.6313, 0.3311, 0.3914

Rectangle

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



44.6313, 0.2491, 0.3089



44.6313, 0.2564, 0.2739



44.6313, 0.3808, 0.3428



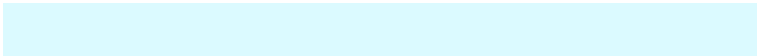
44.6313, 0.3708, 0.3842

Sweetspot

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



44.6330, 0.2491, 0.3089



90.4280, 0.2911, 0.3234



48.1404, 0.2981, 0.4481



19.0644, 0.2879, 0.3225



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.



44.6330, 0.2491, 0.3089



69.8897, 0.2386, 0.3039



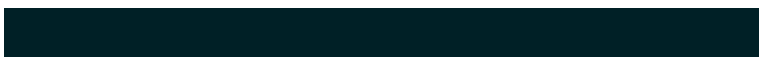
27.7998, 0.2368, 0.2388



12.4247, 0.2983, 0.3254



21.6517, 0.2112, 0.2803



1.1977, 0.2141, 0.2908

Inverse Universe

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



28.1344, 0.3328, 0.2341



39.9953, 0.3382, 0.2164



43.4380, 0.3960, 0.4043



11.3733, 0.3161, 0.3096



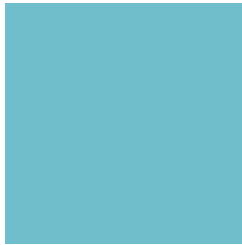
9.9887, 0.3632, 0.1774



0.5235, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 44.6313, 0.2491, 0.3089 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 44.6313, 0.2491, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

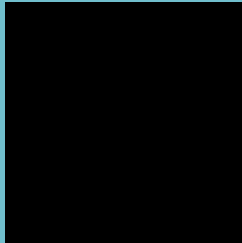
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6313, 0.2491, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 44.6313, 0.2491, 0.3089.



This preview shows how white text looks on a background with the Yxy color 44.6313, 0.2491, 0.3089.

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

44.6313, 0.2491, 0.3089

Protanopia

44.1048, 0.2969, 0.3041

Deuteranopia

44.1445, 0.2911, 0.2846



Tritanopia

44.6794, 0.2486, 0.3076

Trichromacy



Original Color

44.6313, 0.2491, 0.3089

Protanomaly

43.8004, 0.2769, 0.3057

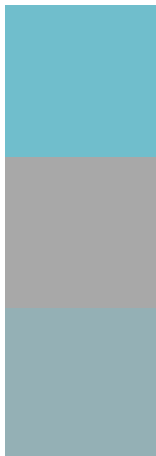
Deuteranomaly

43.7138, 0.2728, 0.2916

Tritanomaly

44.6794, 0.2486, 0.3076

Monochromacy



Original Color

44.6313, 0.2491, 0.3089

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6828, 0.2854, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6313, 0.2491, 0.3089 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(112, 190, 204)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 190, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 190, 204) }
```

Border

The CSS property to change the border of an element to Yxy 44.6313, 0.2491, 0.3089 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(112, 190, 204) }
```

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

```
.border{ border-color:rgb(112, 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(112, 190, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(112, 190,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6313, 0.2491, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 190, 204) }
```

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

```
.background{ background-color: rgb(112,  
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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