

Converting Colors

$Yxy(44.5187, 0.2428, 0.3097)$

Have a look what the booklet for
Yxy(44.5187, 0.2428, 0.3097)
contains.

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Color

Yxy(44.3220, 0.2423, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	63BFCD
RGB	99, 191, 205
RGB Percent	39%, 75%, 80%
CMY	0.6120, 0.2509, 0.1962
CMYK	0.52, 0.07, 0.00, 0.20
HSL	188°, 51%, 60%
HSV	188°, 52%, 80%
XYZ	34.7885, 44.3220, 64.4658
YIQ	165.0880, -59.3260, -15.1500

Conversions

Conversions Part 2

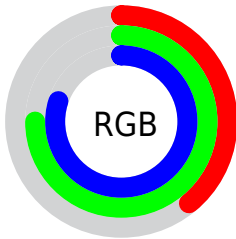
Format	Color
RYB	99, 148, 205
Decimal	6537165
CIELab	72.44, -23.56, -15.45
CIELCh	72, 28.176, 213.256
Yxy	44.3220, 0.2423, 0.3087
Android (android.graphics.Color)	4284727245 (0xFF63BFCD)
YUV	165.0880, 19.6766, -57.9592
Hunter-Lab	66.5748, -23.2310, -10.8094

Details

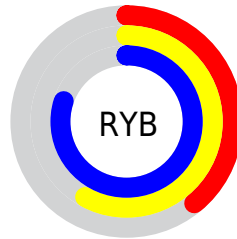
The Yxy color **44.3220, 0.2423, 0.3087** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6655, 0.4504, 0.3470**, and the grayscale version is **37.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5229, 0.2580, 0.3210**, and **20.4658, 0.2231, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **42.1460, 0.2327, 0.3041**, and if you desaturate by 10%, it is **46.8160, 0.2536, 0.3131**.

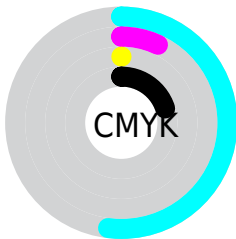
Distribution



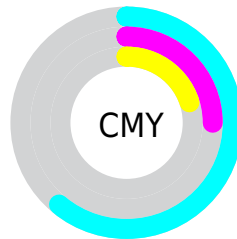
- Red (39%)
- Green (75%)
- Blue (80%)



- Red (39%)
- Yellow (58%)
- Blue (80%)



- Cyan (52%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (61%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3220, 0.2423, 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 44.3220, 0.2423, 0.3087 by changing the saturation by 10% instead.


 44.3220, 0.2423,
0.3087


 44.3220, 0.2423,
0.3087

364.0207, 0.2769,
0.3198


 30.9237, 0.2339,
0.3057


 81.7021, 0.2547,
0.3129


 20.5408, 0.2233,
0.3016


 106.4526, 0.2594,
0.3145

 12.7887, 0.2095,
0.2960


 135.7561, 0.2634,
0.3157

 7.2832, 0.1910,
0.2877

 169.9969, 0.2668,
0.3168

 3.6399, 0.1647,
0.2746

209.5593, 0.2698,
0.3177

 1.4742, 0.1253,
0.2516

254.8278, 0.2725,

 0.2705, 0.0000,

0.3185

0.1585

306.1868, 0.2748,
0.3192

0.0000, 0.0000,
0.0000

44.3220, 0.2423,
0.3087

44.3220, 0.2423,
0.3087

42.1460, 0.2327,
0.3041

46.8160, 0.2536,
0.3131

40.2601, 0.2249,
0.2995

49.6433, 0.2663,
0.3174

38.6401, 0.2191,
0.2949

52.8241, 0.2801,
0.3213

37.2547, 0.2151,
0.2903

56.3757, 0.2948,
0.3250

36.2406, 0.2129,
0.2865

60.3139, 0.3100,
0.3284

■ 64.6538, 0.3255,
0.3315

■ 69.4095, 0.3410,
0.3343

■ 73.0604, 0.3502,
0.3369

■ 74.4267, 0.3497,
0.3396

Harmonies

Analogous

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



44.3220, 0.2623, 0.3474



44.3220, 0.2423, 0.3087



44.3220, 0.2398, 0.2793

Triad

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



44.3220, 0.2423, 0.3087



44.3220, 0.3257, 0.2829



44.3220, 0.3711, 0.3954

Complementary

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



44.3220, 0.2423, 0.3087



25.6655, 0.4504, 0.3470

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.



44.3220, 0.3909, 0.3728



44.3220, 0.2423, 0.3087



44.3220, 0.3641, 0.3094

Square

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



44.3220, 0.2423, 0.3087



44.3220, 0.2858, 0.2669



44.3220, 0.3886, 0.3415



44.3220, 0.3361, 0.4004

Rectangle

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



44.3220, 0.2423, 0.3087



44.3220, 0.2482, 0.2680



44.3220, 0.3886, 0.3415



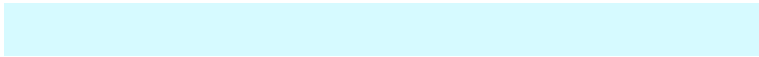
44.3220, 0.3798, 0.3894

Sweetspot

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



44.3237, 0.2423, 0.3087



89.6854, 0.2882, 0.3234



47.4570, 0.2984, 0.4745



18.9382, 0.2851, 0.3226



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.



44.3237, 0.2423, 0.3087



68.7022, 0.2318, 0.3037



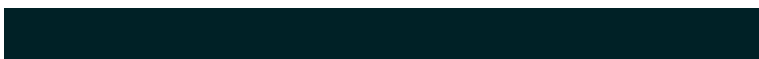
25.6923, 0.2264, 0.2283



12.4651, 0.2983, 0.3259



22.6660, 0.2131, 0.2872



1.2411, 0.2156, 0.2961

Inverse Universe

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



25.6509, 0.3340, 0.2195



35.7416, 0.3396, 0.2010



40.5458, 0.4126, 0.4105



11.3773, 0.3157, 0.3091



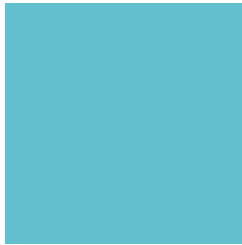
10.0911, 0.3569, 0.1740



0.5278, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 44.3220, 0.2423, 0.3087 looks on a white background.

Color Contrast Check

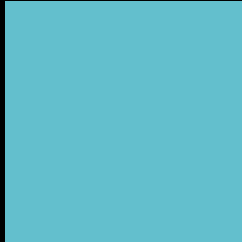
Large Text (above 18pt) WCAG AA × Fail

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 44.3220, 0.2423, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

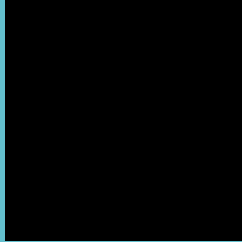
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

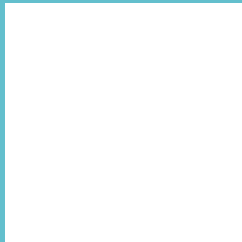
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3220, 0.2423, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 44.3220, 0.2423, 0.3087.



This preview shows how white text looks on a background with the Yxy color 44.3220, 0.2423, 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

44.3220, 0.2423, 0.3087

Protanopia

43.5987, 0.2960, 0.3027

Deuteranopia

43.9556, 0.2887, 0.2832



Tritanopia

44.3705, 0.2418, 0.3073

Trichromacy



Original Color

44.3220, 0.2423, 0.3087

Protanomaly

43.3743, 0.2726, 0.3042

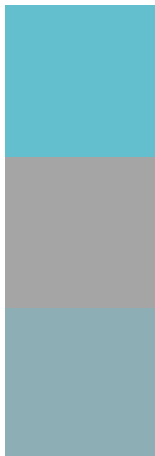
Deuteranomaly

43.5861, 0.2679, 0.2912

Tritanomaly

44.3705, 0.2418, 0.3073

Monochromacy



Original Color

44.3220, 0.2423, 0.3087

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.2301, 0.2804, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3220, 0.2423, 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(99, 191, 205)` looks like.

```
.text, #text, p{  
    color:rgb(99, 191, 205)  
}
```

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(99, 191, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 191, 205) }
```

Border

The CSS property to change the border of an element to Yxy 44.3220, 0.2423, 0.3087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

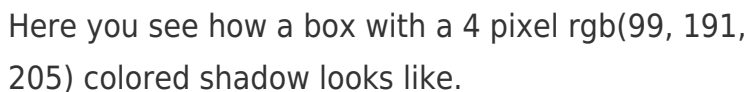
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 191, 205) }
```

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

```
.border{ border-color:rgb(99, 191, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 191, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 191, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 191, 205);  
box-shadow:4px 4px 4px 4px rgb(99, 191,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3220, 0.2423, 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(99, 191, 205) }
```

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

```
.background{ background-color: rgb(99, 191,  
205) }
```

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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