

Converting Colors

$Y_{xy}(45.2032, 0.2431, 0.2994)$

Have a look what the booklet for
Yxy(45.2032, 0.2431, 0.2994)
contains.

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Color

Yxy(45.2032, 0.2431, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	6CBFD4
RGB	108, 191, 212
RGB Percent	42%, 75%, 83%
CMY	0.5762, 0.2510, 0.1687
CMYK	0.49, 0.10, 0.00, 0.17
HSL	192°, 55%, 63%
HSV	192°, 49%, 83%
XYZ	36.7031, 45.2032, 69.0730
YIQ	168.5770, -56.2090, -11.0650

Conversions

Conversions Part 2

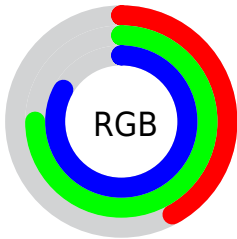
Format	Color
R _{YB}	108, 154, 212
Decimal	7126996
CIE Lab	73.03, -19.63, -18.36
CIE LCh	73, 26.874, 223.084
Yxy	45.2032, 0.2431, 0.2994
Android (android.graphics.Color)	4285317076 (0xFF6CBFD4)
YUV	168.5770, 21.4075, -53.1260
Hunter-Lab	67.2333, -20.2141, -13.8490

Details

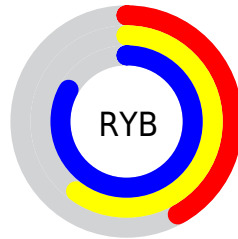
The Yxy color **45.2032, 0.2431, 0.2994** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7959, 0.4352, 0.3553**, and the grayscale version is **39.3770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7409, 0.2616, 0.3200**, and **20.9300, 0.2244, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **42.1917, 0.2321, 0.2923**, and if you desaturate by 10%, it is **48.5960, 0.2556, 0.3063**.

Distribution



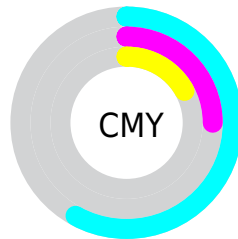
- Red (42%)
- Green (75%)
- Blue (83%)



- Red (42%)
- Yellow (60%)
- Blue (83%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (58%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2032, 0.2431, 0.2994 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 45.2032, 0.2431, 0.2994 by changing the saturation by 10% instead.

■ 45.2032, 0.2431,
0.2994

■ 45.2032, 0.2431,
0.2994

■ 367.5959, 0.2771,
0.3150

■ 31.6175, 0.2349,
0.2953

■ 83.0253, 0.2553,
0.3052

■ 21.0695, 0.2246,
0.2899

■ 108.0304, 0.2599,
0.3074

■ 13.1748, 0.2112,
0.2827

■ 137.6108, 0.2638,
0.3092

■ 7.5490, 0.1932,
0.2723

■ 172.1509, 0.2672,
0.3107

■ 3.8078, 0.1680,
0.2564

■ 212.0351, 0.2702,
0.3120

■ 1.5666, 0.1310,
0.2299

■ 257.6477, 0.2728,

■ 0.3349, 0.0000,

0.3131

0.1553

309.3732, 0.2751,
0.3141

0.0000, 0.0000,
0.0000

45.2032, 0.2431,
0.2994

45.2032, 0.2431,
0.2994

42.1917, 0.2321,
0.2923

48.5960, 0.2556,
0.3063

39.5320, 0.2229,
0.2849

52.3867, 0.2692,
0.3128

37.1983, 0.2156,
0.2775

56.5972, 0.2838,
0.3188

35.1581, 0.2102,
0.2702

61.2460, 0.2989,
0.3244

33.3592, 0.2065,
0.2629

66.3504, 0.3142,
0.3295

■ 33.1903, 0.2062,
0.2622

■ 71.9269, 0.3296,
0.3341

■ 77.7136, 0.3436,
0.3382

■ 80.0039, 0.3429,
0.3424

■ 82.3524, 0.3422,
0.3467

Harmonies

Analogous

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



45.2032, 0.2570, 0.3342



45.2032, 0.2431, 0.2994



45.2032, 0.2464, 0.2758

Triad

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



45.2032, 0.2431, 0.2994



45.2032, 0.3378, 0.2925



45.2032, 0.3585, 0.3957

Complementary

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



45.2032, 0.2431, 0.2994



30.7959, 0.4352, 0.3553

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.



45.2032, 0.3828, 0.3791



45.2032, 0.2431, 0.2994



45.2032, 0.3710, 0.3202

Square

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



45.2032, 0.2431, 0.2994



45.2032, 0.2991, 0.2735



45.2032, 0.3878, 0.3513



45.2032, 0.3227, 0.3933

Rectangle

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



45.2032, 0.2431, 0.2994



45.2032, 0.2579, 0.2683



45.2032, 0.3878, 0.3513



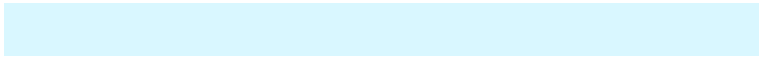
45.2032, 0.3683, 0.3919

Sweetspot

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



45.2049, 0.2431, 0.2994



88.6216, 0.2896, 0.3210



51.8567, 0.2942, 0.4529



18.6535, 0.2864, 0.3198



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.



45.2049, 0.2431, 0.2994



63.8329, 0.2315, 0.2918



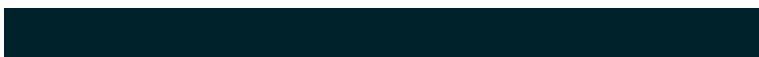
26.4800, 0.2283, 0.2211



13.6618, 0.2983, 0.3242



20.6368, 0.2065, 0.2632



1.3552, 0.2100, 0.2758

Inverse Universe

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



28.4954, 0.3408, 0.2317



36.6864, 0.3489, 0.2141



48.0521, 0.4015, 0.4163



12.5877, 0.3168, 0.3106



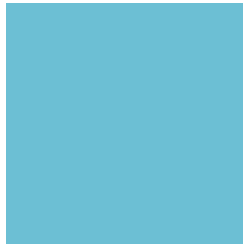
10.4281, 0.3793, 0.1863



0.6401, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 45.2032, 0.2431, 0.2994 looks on a white background.

Color Contrast Check

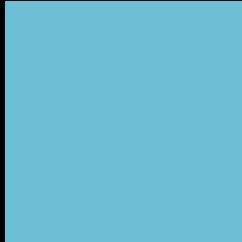
Large Text (above 18pt) WCAG AA × Fail

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 45.2032, 0.2431, 0.2994 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 45.2032, 0.2431, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 45.2032, 0.2431, 0.2994.



This preview shows how white text looks on a background with the Yxy color 45.2032, 0.2431, 0.2994.

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

45.2032, 0.2431, 0.2994

Protanopia

44.7547, 0.2901, 0.2953

Deuteranopia

44.5771, 0.2829, 0.2762



Tritanopia

45.3301, 0.2455, 0.3076

Trichromacy



Original Color

45.2032, 0.2431, 0.2994

Protanomaly

44.3962, 0.2702, 0.2966

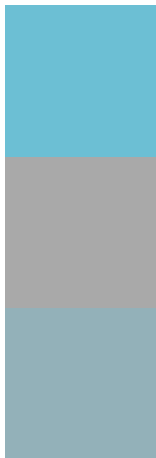
Deuteranomaly

44.2242, 0.2656, 0.2828

Tritanomaly

45.4285, 0.2444, 0.3048

Monochromacy



Original Color

45.2032, 0.2431, 0.2994

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.1501, 0.2818, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2032, 0.2431, 0.2994 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(108, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(108, 191, 212)  
}
```

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(108, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 191, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.2032, 0.2431, 0.2994 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(108, 191, 212) }
```

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

```
.border{ border-color:rgb(108, 191, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 191, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(108, 191,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2032, 0.2431, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 191, 212) }
```

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

```
.background{ background-color: rgb(108,  
191, 212) }
```

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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