

Converting Colors

$Y_{xy}(45.1644, 0.2426, 0.2994)$

Have a look what the booklet for
Yxy(45.1644, 0.2426, 0.2994)
contains.

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Color

Yxy(45.1409, 0.2426, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	6BBFD4
RGB	107, 191, 212
RGB Percent	42%, 75%, 83%
CMY	0.5803, 0.2510, 0.1687
CMYK	0.50, 0.10, 0.00, 0.17
HSL	192°, 55%, 63%
HSV	192°, 50%, 83%
XYZ	36.5771, 45.1409, 69.0532
YIQ	168.2780, -56.8050, -11.2770

Conversions

Conversions Part 2

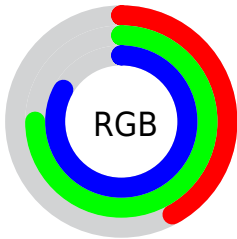
Format	Color
RYB	107, 154, 212
Decimal	7061460
CIELab	72.98, -19.87, -18.41
CIElCh	73, 27.087, 222.820
Yxy	45.1409, 0.2426, 0.2994
Android (android.graphics.Color)	4285251540 (0xFF6BBFD4)
YUV	168.2780, 21.5549, -53.7408
Hunter-Lab	67.1870, -20.4005, -13.9060

Details

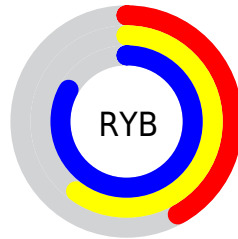
The Yxy color **45.1409, 0.2426, 0.2994** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4928, 0.4371, 0.3552**, and the grayscale version is **39.2179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6340, 0.2611, 0.3200**, and **20.9065, 0.2240, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **42.1647, 0.2317, 0.2923**, and if you desaturate by 10%, it is **48.4960, 0.2550, 0.3062**.

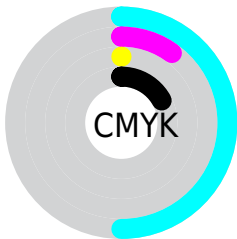
Distribution



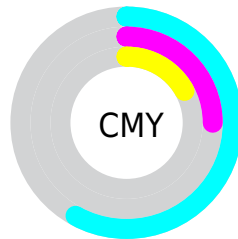
- Red (42%)
- Green (75%)
- Blue (83%)



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



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1409, 0.2426, 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 45.1409, 0.2426, 0.2994 by changing the saturation by 10% instead.


 45.1409, 0.2426,
0.2994


 45.1409, 0.2426,
0.2994


367.3439, 0.2769,
0.3150

 31.5684, 0.2343,
0.2953


 82.9318, 0.2548,
0.3052

 21.0321, 0.2239,
0.2899

 107.9190, 0.2595,
0.3074

 13.1474, 0.2104,
0.2826

 137.4799, 0.2635,
0.3092

 7.5302, 0.1923,
0.2722

171.9990, 0.2669,
0.3107

 3.7958, 0.1670,
0.2562

211.8605, 0.2699,
0.3120

 1.5600, 0.1298,
0.2296

257.4489, 0.2725,

 0.3304, 0.0000,

0.3131

0.1536

309.1486, 0.2748,
0.3141

0.0000, 0.0000,
0.0000

45.1409, 0.2426,
0.2994

45.1409, 0.2426,
0.2994

42.1647, 0.2317,
0.2923

48.4960, 0.2550,
0.3062

39.5378, 0.2226,
0.2851

52.2468, 0.2686,
0.3126

37.2342, 0.2154,
0.2778


56.4152, 0.2831,
0.3186


35.2212, 0.2102,
0.2705


61.0196, 0.2981,
0.3242

33.4430, 0.2065,
0.2633


66.0776, 0.3135,
0.3292

 33.3583, 0.2064,
0.2629

 71.6055, 0.3288,
0.3338

 77.5410, 0.3437,
0.3379

 79.8012, 0.3430,
0.3421

 82.1183, 0.3423,
0.3463

Harmonies

Analogous

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



45.1409, 0.2567, 0.3345



45.1409, 0.2426, 0.2994



45.1409, 0.2458, 0.2755

Triad

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



45.1409, 0.2426, 0.2994



45.1409, 0.3376, 0.2920



45.1409, 0.3591, 0.3962

Complementary

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



45.1409, 0.2426, 0.2994



30.4928, 0.4371, 0.3552

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.



45.1409, 0.3835, 0.3793



45.1409, 0.2426, 0.2994



45.1409, 0.3712, 0.3199

Square

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



45.1409, 0.2426, 0.2994



45.1409, 0.2987, 0.2730



45.1409, 0.3883, 0.3511



45.1409, 0.3231, 0.3940

Rectangle

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



45.1409, 0.2426, 0.2994



45.1409, 0.2573, 0.2679



45.1409, 0.3883, 0.3511



45.1409, 0.3690, 0.3923

Sweetspot

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



45.1426, 0.2426, 0.2994



88.6736, 0.2896, 0.3211



51.7138, 0.2951, 0.4570



18.6661, 0.2864, 0.3199



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.



45.1426, 0.2426, 0.2994



64.0132, 0.2316, 0.2923



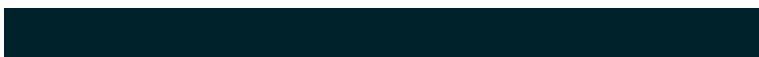
26.7122, 0.2279, 0.2225



13.6667, 0.2983, 0.3242



20.7442, 0.2067, 0.2640



1.3608, 0.2101, 0.2764

Inverse Universe

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



28.2761, 0.3409, 0.2306



36.7046, 0.3485, 0.2138



47.1911, 0.4035, 0.4152



12.5882, 0.3168, 0.3105



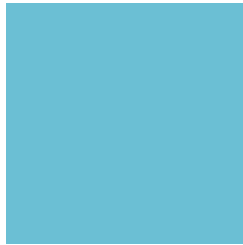
10.4390, 0.3786, 0.1859



0.6407, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 45.1409, 0.2426, 0.2994 looks on a white background.

Color Contrast Check

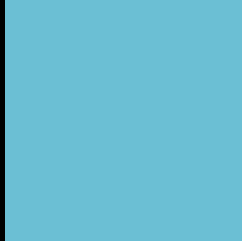
Large Text (above 18pt) WCAG AA × Fail

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 45.1409, 0.2426, 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 45.1409, 0.2426, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 45.1409, 0.2426, 0.2994.



This preview shows how white text looks on a background with the Yxy color 45.1409, 0.2426, 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

45.1409, 0.2426, 0.2994

Protanopia

44.7547, 0.2901, 0.2953

Deuteranopia

44.5771, 0.2829, 0.2762



Tritanopia

45.2075, 0.2445, 0.3075

Trichromacy



Original Color

45.1409, 0.2426, 0.2994

Protanomaly

44.3962, 0.2702, 0.2966

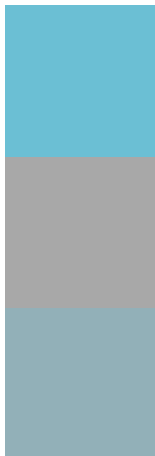
Deuteranomaly

44.2242, 0.2656, 0.2828

Tritanomaly

45.3669, 0.2439, 0.3048

Monochromacy



Original Color

45.1409, 0.2426, 0.2994

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6224, 0.2816, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1409, 0.2426, 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(107, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 191, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.1409, 0.2426, 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(107, 191, 212) }
```

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

```
.border{ border-color:rgb(107, 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(107, 191, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(107, 191,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1409, 0.2426, 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(107, 191, 212) }
```

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

```
.background{ background-color: rgb(107,  
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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