

Converting Colors

$Y_{xy}(30.7533, 0.2087, 0.2701)$

Have a look what the booklet for
Yxy(30.7533, 0.2087, 0.2701)
contains.

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Color

Yxy(30.7533, 0.2087, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	05A4C8
RGB	5, 164, 200
RGB Percent	2%, 64%, 78%
CMY	0.9817, 0.3568, 0.2156
CMYK	0.98, 0.18, 0.00, 0.22
HSL	191°, 95%, 40%
HSV	191°, 98%, 78%
XYZ	23.7624, 30.7533, 59.3433
YIQ	120.5630, -106.3200, -22.5120

Conversions

Conversions Part 2

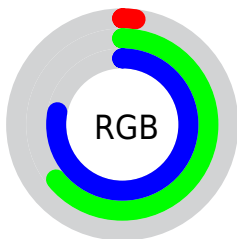
Format	Color
RYB	5, 93, 200
Decimal	369864
CIELab	62.30, -22.51, -28.37
CIELCh	62, 36.217, 231.568
Yxy	30.7533, 0.2087, 0.2701
Android (android.graphics.Color)	4278559944 (0xFF05A4C8)
YUV	120.5630, 39.1624, -101.3488
Hunter-Lab	55.4557, -20.5614, -24.6275

Details

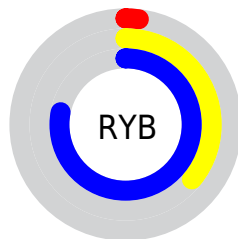
The Yxy color **30.7533, 0.2087, 0.2701** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.8581, 0.6158, 0.3464**, and the grayscale version is **18.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6497, 0.2287, 0.2845**, and **13.6637, 0.2038, 0.2535** is the 20% darker color. If you saturate the color by 10%, you get **30.4170, 0.2079, 0.2686**, and if you desaturate by 10%, it is **32.2662, 0.2124, 0.2767**.

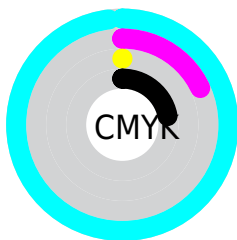
Distribution



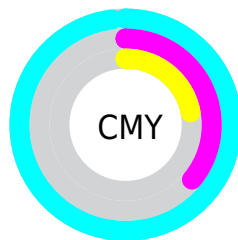
- Red (2%)
- Green (64%)
- Blue (78%)



- Red (2%)
- Yellow (36%)
- Blue (78%)



- Cyan (98%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)





- Cyan (98%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7533, 0.2087, 0.2701 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 30.7533, 0.2087, 0.2701 by changing the saturation by 10% instead.

 30.7533, 0.2087,
0.2701


 30.7533, 0.2087,
0.2701


 305.4002, 0.2616,
0.3026


 20.4111, 0.1955,
0.2611


 60.8515, 0.2280,
0.2826


 12.6942, 0.1787,
0.2492

 81.3762, 0.2352,
0.2870

 7.2183, 0.1569,
0.2327


 106.0638, 0.2413,
0.2908

 3.5990, 0.1277,
0.2086

 135.2988, 0.2466,
0.2939

 1.4519, 0.0881,
0.1718

 169.4656, 0.2511,
0.2965

 0.2545, 0.0000,
0.0800

 208.9484, 0.2551,

 0.0000, 0.0000,

0.2988

0.0000

254.1318, 0.2585,
0.3008

■ 30.7533, 0.2087,
0.2701

■ 30.7533, 0.2087,
0.2701

■ 30.4170, 0.2079,
0.2686

■ 32.2662, 0.2124,
0.2767

■ 33.9923, 0.2178,
0.2833

■ 35.9716, 0.2252,
0.2900

■ 38.2314, 0.2344,
0.2966

■ 40.7949, 0.2454,
0.3030

■ 43.6827, 0.2578,
0.3092

■ 46.9136, 0.2715,
0.3150

■ 50.5045, 0.2859,
0.3205

■ 54.4714, 0.3010,
0.3255

Harmonies

Analogous

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



30.7533, 0.2210, 0.3188



30.7533, 0.2087, 0.2701



30.7533, 0.2204, 0.2432

Triad

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



30.7533, 0.2087, 0.2701



30.7533, 0.3666, 0.2850



30.7533, 0.3658, 0.4343

Complementary

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



30.7533, 0.2087, 0.2701



13.8581, 0.6158, 0.3464

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.



30.7533, 0.4103, 0.4119



30.7533, 0.2087, 0.2701



30.7533, 0.4130, 0.3266

Square

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



30.7533, 0.2087, 0.2701



30.7533, 0.3073, 0.2538



30.7533, 0.4288, 0.3717



30.7533, 0.3094, 0.4237

Rectangle

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



30.7533, 0.2087, 0.2701



30.7533, 0.2409, 0.2378



30.7533, 0.4288, 0.3717



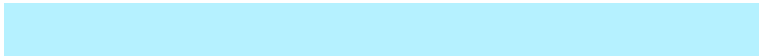
30.7533, 0.3827, 0.4298

Sweetspot

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



30.7544, 0.2087, 0.2701



80.1763, 0.2690, 0.3140



41.5079, 0.2950, 0.5800



16.6371, 0.2631, 0.3115



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.



30.7544, 0.2087, 0.2701



52.3221, 0.2077, 0.2676



8.1606, 0.1636, 0.1071



11.7221, 0.2984, 0.3246



19.4560, 0.2082, 0.2695



1.0100, 0.2120, 0.2832

Inverse Universe

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



15.0650, 0.3726, 0.1836



25.8131, 0.3751, 0.1840



30.5175, 0.4864, 0.4503



10.7818, 0.3165, 0.3104



9.5041, 0.3733, 0.1830



0.4590, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 30.7533, 0.2087, 0.2701 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 30.7533, 0.2087, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

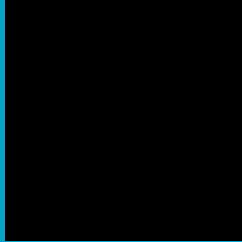
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7533, 0.2087, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 30.7533, 0.2087, 0.2701.

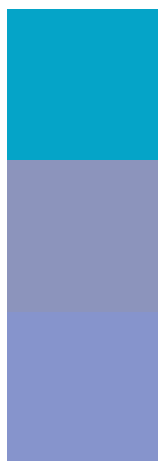


This preview shows how white text looks on a background with the Yxy color 30.7533, 0.2087, 0.2701.

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

30.7533, 0.2087, 0.2701

Protanopia

30.3861, 0.2705, 0.2696

Deuteranopia

30.6078, 0.2540, 0.2482



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.7533, 0.2087, 0.2701



Protanomaly

29.1411, 0.2336, 0.2681



Deuteranomaly

29.4492, 0.2254, 0.2528



Tritanomaly

30.5110, 0.2145, 0.2915

Monochromacy



Original Color

30.7533, 0.2087, 0.2701



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3979, 0.2467, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7533, 0.2087, 0.2701 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(5, 164, 200)` looks like.

```
.text, #text, p{  
    color:rgb(5, 164, 200)  
}
```

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(5, 164, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 164, 200) }
```

Border

The CSS property to change the border of an element to Yxy 30.7533, 0.2087, 0.2701 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(5, 164, 200) }
```

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

```
.border{ border-color:rgb(5, 164, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 164, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 164, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 164, 200);  
box-shadow:4px 4px 4px 4px rgb(5, 164,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7533, 0.2087, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 164, 200) }
```

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

```
.background{ background-color: rgb(5, 164,  
200) }
```

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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