

Converting Colors

$Y_{xy}(30.8211, 0.2055, 0.2599)$

Have a look what the booklet for
Yxy(30.8211, 0.2055, 0.2599)
contains.

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Color

Yxy(30.6994, 0.2052, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	00A3CF
RGB	0, 163, 207
RGB Percent	0%, 64%, 81%
CMY	0.9984, 0.3608, 0.1883
CMYK	1.00, 0.21, 0.00, 0.19
HSL	193°, 100%, 41%
HSV	193°, 100%, 81%
XYZ	24.3601, 30.6994, 63.6544
YIQ	119.2790, -111.2720, -20.8720

Conversions

Conversions Part 2

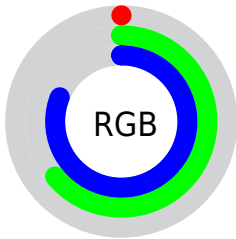
Format	Color
RYB	0, 91, 207
Decimal	41935
CIELab	62.25, -19.70, -32.31
CIELCh	62, 37.842, 238.637
Yxy	30.6994, 0.2052, 0.2586
Android (android.graphics.Color)	4278232015 (0xFF00A3CF)
YUV	119.2790, 43.2465, -104.6077
Hunter-Lab	55.4070, -18.4836, -29.3304

Details

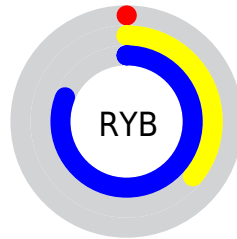
The Yxy color **30.6994, 0.2052, 0.2586** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.0913, 0.6159, 0.3489**, and the grayscale version is **18.4662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1295, 0.2284, 0.2833**, and **13.6359, 0.2001, 0.2404** is the 20% darker color. If you saturate the color by 10%, you get **30.6678, 0.2051, 0.2585**, and if you desaturate by 10%, it is **32.4503, 0.2090, 0.2663**.

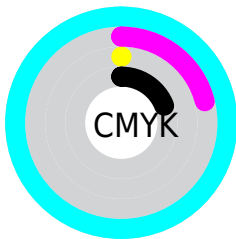
Distribution



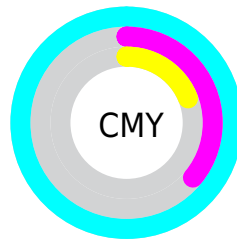
- Red (0%)
- Green (64%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6994, 0.2052, 0.2586 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 30.6994, 0.2052, 0.2586 by changing the saturation by 10% instead.

 30.6994, 0.2052,
0.2586


 30.6994, 0.2052,
0.2586


305.1511, 0.2597,
0.2968

 20.3701, 0.1917,
0.2483


 60.7665, 0.2250,
0.2731


 12.6643, 0.1747,
0.2349


 81.2730, 0.2324,
0.2783

 7.1978, 0.1527,
0.2165


 105.9408, 0.2387,
0.2827

 3.5861, 0.1236,
0.1905

 135.1541, 0.2441,
0.2864

 1.4448, 0.0852,
0.1522

 169.2974, 0.2488,
0.2895

 0.2494, 0.0000,
0.0660

208.7550, 0.2529,

 0.0000, 0.0000,

0.2923

0.0000

253.9115, 0.2565,
0.2947

■ 30.6994, 0.2052,
0.2586

■ 30.6994, 0.2052,
0.2586

■ 30.6678, 0.2051,
0.2585

■ 32.4503, 0.2090,
0.2663

■ 34.4247, 0.2144,
0.2741

■ 36.6794, 0.2217,
0.2819

■ 39.2455, 0.2310,
0.2897

■ 42.1494, 0.2420,
0.2972

■ 45.4142, 0.2544,
0.3045

■ 49.0608, 0.2681,
0.3114

■ 53.1083, 0.2826,
0.3178

■ 57.5743, 0.2977,
0.3237

Harmonies

Analogous

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



30.6994, 0.2119, 0.3043



30.6994, 0.2052, 0.2586



30.6994, 0.2230, 0.2365

Triad

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



30.6994, 0.2052, 0.2586



30.6994, 0.3825, 0.2925



30.6994, 0.3545, 0.4402

Complementary

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



30.6994, 0.2052, 0.2586



15.0913, 0.6159, 0.3489

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.



30.6994, 0.4053, 0.4230



30.6994, 0.2052, 0.2586



30.6994, 0.4248, 0.3372

Square

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



30.6994, 0.2052, 0.2586



30.6994, 0.3216, 0.2571



30.6994, 0.4325, 0.3838



30.6994, 0.2951, 0.4200

Rectangle

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



30.6994, 0.2052, 0.2586



30.6994, 0.2477, 0.2345



30.6994, 0.4325, 0.3838



30.6994, 0.3732, 0.4381

Sweetspot

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



30.7005, 0.2052, 0.2586



78.3110, 0.2673, 0.3110



44.7796, 0.2947, 0.5807



16.2146, 0.2614, 0.3081



0.0000, 0.0000, 0.0000



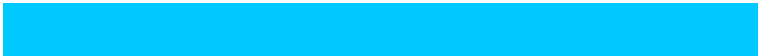
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7005, 0.2052, 0.2586



48.8627, 0.2049, 0.2575



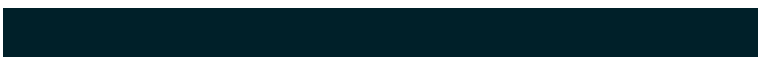
7.9919, 0.1608, 0.0988



12.9621, 0.2983, 0.3239



19.4700, 0.2054, 0.2595



1.1979, 0.2094, 0.2737

Inverse Universe

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



15.9143, 0.3838, 0.1888



25.4639, 0.3848, 0.1893



33.5129, 0.4848, 0.4532



11.9642, 0.3170, 0.3109



10.0368, 0.3829, 0.1883



0.5722, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 30.6994, 0.2052, 0.2586 looks on a white background.

Color Contrast Check

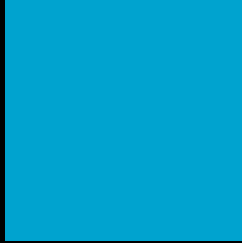
Large Text (above 18pt) WCAG AA × Fail

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 30.6994, 0.2052, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

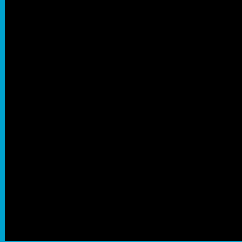
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6994, 0.2052, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 30.6994, 0.2052, 0.2586.

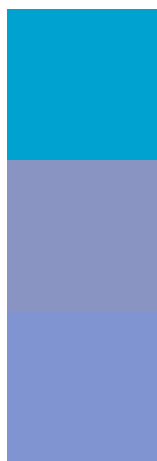


This preview shows how white text looks on a background with the Yxy color 30.6994, 0.2052, 0.2586.

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

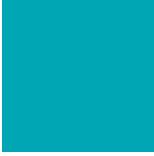
30.6994, 0.2052, 0.2586

Protanopia

30.4383, 0.2627, 0.2600

Deuteranopia

30.4221, 0.2456, 0.2400



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.6994, 0.2052, 0.2586



Protanomaly

28.9322, 0.2272, 0.2564



Deuteranomaly

29.1798, 0.2196, 0.2429



Tritanomaly

30.5844, 0.2134, 0.2883

Monochromacy



Original Color

30.6994, 0.2052, 0.2586



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.0988, 0.2435, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6994, 0.2052, 0.2586 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(0, 163, 207)` looks like.

```
.text, #text, p{  
  color:rgb(0, 163, 207)  
}
```

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(0, 163, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.6994, 0.2052, 0.2586 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(0, 163, 207) }
```

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

```
.border{ border-color:rgb(0, 163, 207) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6994, 0.2052, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 207) }
```

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

```
.background{ background-color: rgb(0, 163,  
207) }
```

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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