

Converting Colors

$Yxy(23.0323, 0.1022, 0.2463)$

Have a look what the booklet for
Yxy(23.0323, 0.1022, 0.2463)
contains.

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Color

Yxy(30.5540, 0.2063, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	00A3CC
RGB	0, 163, 204
RGB Percent	0%, 64%, 80%
CMY	1.0000, 0.3608, 0.2000
CMYK	1.00, 0.20, 0.00, 0.20
HSL	192°, 100%, 40%
HSV	192°, 100%, 80%
XYZ	23.9943, 30.5540, 61.7593
YIQ	118.9370, -110.3090, -21.8050

Conversions

Conversions Part 2

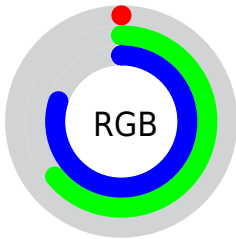
Format	Color
RYB	0, 91, 204
Decimal	41932
CIELab	62.13, -20.76, -30.85
CIELCh	62, 37.185, 236.062
Yxy	30.5540, 0.2063, 0.2627
Android (android.graphics.Color)	4278232012 (0xFF00A3CC)
YUV	118.9370, 41.9361, -104.3077
Hunter-Lab	55.2757, -19.2485, -27.5515

Details

The Yxy color **30.5540, 0.2063, 0.2627** 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 **14.4229, 0.6184, 0.3471**, and the grayscale version is **18.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1295, 0.2284, 0.2833**, and **13.5709, 0.2011, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **30.5561, 0.2063, 0.2627**, and if you desaturate by 10%, it is **32.1887, 0.2099, 0.2699**.

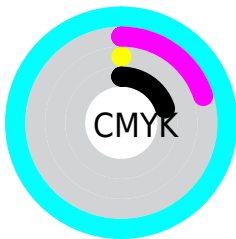
Distribution



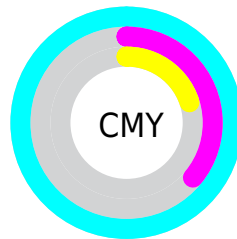
- Red (0%)
- Green (64%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5540, 0.2063, 0.2627 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 30.5540, 0.2063, 0.2627 by changing the saturation by 10% instead.


 30.5540, 0.2063,
0.2627


 30.5540, 0.2063,
0.2627


304.4783, 0.2604,
0.2989

 20.2595, 0.1929,
0.2529


 60.5372, 0.2260,
0.2765


 12.5838, 0.1759,
0.2399


 80.9947, 0.2333,
0.2815

 7.1426, 0.1538,
0.2221


 105.6086, 0.2396,
0.2856

 3.5514, 0.1246,
0.1966

 134.7633, 0.2450,
0.2891

 1.4259, 0.0855,
0.1585

 168.8432, 0.2496,
0.2921

 0.2357, 0.0000,
0.0674

208.2328, 0.2536,

 0.0000, 0.0000,

0.2947

0.0000

253.3163, 0.2572,
0.2969

■ 30.5540, 0.2063,
0.2627

■ 30.5540, 0.2063,
0.2627

■ 30.5561, 0.2063,
0.2627

■ 32.1887, 0.2099,
0.2699

■ 34.0302, 0.2151,
0.2773

■ 36.1366, 0.2223,
0.2846

■ 38.5379, 0.2313,
0.2919

■ 41.2594, 0.2421,
0.2990

■ 44.3234, 0.2544,
0.3058

■ 47.7501, 0.2680,
0.3123

■ 51.5578, 0.2824,
0.3183

■ 55.7635, 0.2974,
0.3239

Harmonies

Analogous

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



30.5540, 0.2151, 0.3096



30.5540, 0.2063, 0.2627



30.5540, 0.2218, 0.2388

Triad

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



30.5540, 0.2063, 0.2627



30.5540, 0.3767, 0.2897



30.5540, 0.3588, 0.4382

Complementary

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



30.5540, 0.2063, 0.2627



14.4229, 0.6184, 0.3471

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.



30.5540, 0.4074, 0.4190



30.5540, 0.2063, 0.2627



30.5540, 0.4206, 0.3332

Square

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



30.5540, 0.2063, 0.2627



30.5540, 0.3162, 0.2557



30.5540, 0.4314, 0.3793



30.5540, 0.3004, 0.4217

Rectangle

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



30.5540, 0.2063, 0.2627



30.5540, 0.2450, 0.2355



30.5540, 0.4314, 0.3793



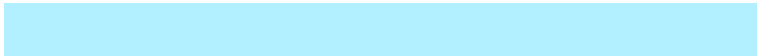
30.5540, 0.3769, 0.4352

Sweetspot

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



30.5561, 0.2063, 0.2627



78.8450, 0.2674, 0.3120



43.3447, 0.2947, 0.5809



16.3434, 0.2615, 0.3093



0.0000, 0.0000, 0.0000



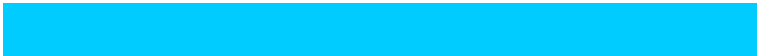
21.4041, 0.3127, 0.3290

Same Dimension

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



30.5561, 0.2063, 0.2627



50.2902, 0.2061, 0.2618



7.7186, 0.1607, 0.0986



12.3291, 0.2983, 0.3242



19.3667, 0.2066, 0.2637



1.0989, 0.2105, 0.2779

Inverse Universe

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



15.4820, 0.3798, 0.1866



25.6080, 0.3807, 0.1871



32.4225, 0.4849, 0.4532



11.3636, 0.3168, 0.3107



9.7581, 0.3788, 0.1860



0.5135, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 30.5540, 0.2063, 0.2627 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 30.5540, 0.2063, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

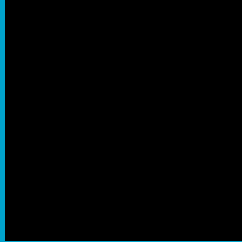
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5540, 0.2063, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 30.5540, 0.2063, 0.2627.

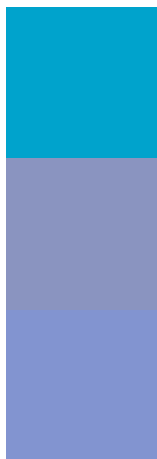


This preview shows how white text looks on a background with the Yxy color 30.5540, 0.2063, 0.2627.

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

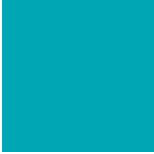
30.5540, 0.2063, 0.2627

Protanopia

30.3889, 0.2657, 0.2640

Deuteranopia

30.4797, 0.2483, 0.2427



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



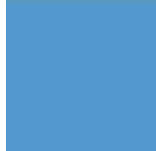
Original Color

30.5540, 0.2063, 0.2627



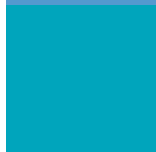
Protanomaly

28.8427, 0.2293, 0.2606



Deuteranomaly

29.1265, 0.2211, 0.2455



Tritanomaly

30.5411, 0.2139, 0.2899

Monochromacy



Original Color

30.5540, 0.2063, 0.2627



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.0665, 0.2442, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5540, 0.2063, 0.2627 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 204) }
```

Border

The CSS property to change the border of an element to Yxy 30.5540, 0.2063, 0.2627 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, 204) }
```

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

```
.border{ border-color:rgb(0, 163, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5540, 0.2063, 0.2627 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, 204) }
```

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

```
.background{ background-color: rgb(0, 163,  
204) }
```

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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