

Converting Colors

$Yxy(35.9618, 0.2063, 0.2627)$

Have a look what the booklet for
Yxy(35.9618, 0.2063, 0.2627)
contains.

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Color

Yxy(35.7744, 0.2062, 0.2624)

Conversions

Conversions Part 1

Format	Color
Hex	00AFDB
RGB	0, 175, 219
RGB Percent	0%, 69%, 86%
CMY	1.0000, 0.3137, 0.1411
CMYK	1.00, 0.20, 0.00, 0.14
HSL	192°, 100%, 43%
HSV	192°, 100%, 86%
XYZ	28.1124, 35.7744, 72.4486
YIQ	127.6910, -118.4240, -23.4160

Conversions

Conversions Part 2

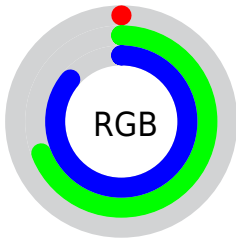
Format	Color
RYB	0, 97, 219
Decimal	45019
CIELab	66.35, -21.81, -32.63
CIELCh	66, 39.243, 236.240
Yxy	35.7744, 0.2062, 0.2624
Android (android.graphics.Color)	4278235099 (0xFF00AFDB)
YUV	127.6910, 45.0153, -111.9850
Hunter-Lab	59.8117, -20.7729, -29.9485

Details

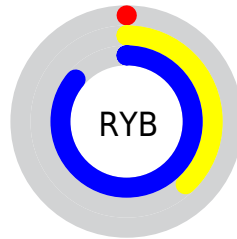
The Yxy color **35.7744, 0.2062, 0.2624** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.8634, 0.6191, 0.3466**, and the grayscale version is **21.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3751, 0.2335, 0.2999**, and **16.5994, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **35.7787, 0.2062, 0.2624**, and if you desaturate by 10%, it is **37.6892, 0.2098, 0.2697**.

Distribution



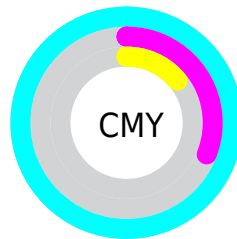
- Red (0%)
- Green (69%)
- Blue (86%)



- Red (0%)
- Yellow (38%)
- Blue (86%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7744, 0.2062, 0.2624 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 35.7744, 0.2062, 0.2624 by changing the saturation by 10% instead.

 35.7744, 0.2062,
0.2624


 35.7744, 0.2062,
0.2624


327.9734, 0.2589,
0.2978

 24.2600, 0.1935,
0.2531


 68.6837, 0.2250,
0.2757


 15.5266, 0.1777,
0.2410

 90.8474, 0.2322,
0.2805


 9.1898, 0.1575,
0.2248

 117.3297, 0.2383,
0.2846

 4.8652, 0.1312,
0.2022

 148.5150, 0.2436,
0.2881

 2.1684, 0.0966,
0.1693

 184.7876, 0.2482,
0.2910

 0.7027, 0.0236,
0.1224

226.5319, 0.2522,

 0.0000, 0.0000,

0.2936

0.0000

274.1324, 0.2557,
0.2959

■ 35.7744, 0.2062,
0.2624

■ 35.7744, 0.2062,
0.2624

■ 35.7787, 0.2062,
0.2624

■ 37.6892, 0.2098,
0.2697

■ 39.8482, 0.2149,
0.2770

■ 42.3193, 0.2220,
0.2844

■ 45.1384, 0.2311,
0.2917

■ 48.3358, 0.2419,
0.2988

■ 51.9380, 0.2542,
0.3057

■ 55.9691, 0.2678,
0.3122

■ 60.4508, 0.2823,
0.3183

■ 65.4035, 0.2973,
0.3239

Harmonies

Analogous

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



35.7744, 0.2149, 0.3093



35.7744, 0.2062, 0.2624



35.7744, 0.2219, 0.2386

Triad

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



35.7744, 0.2062, 0.2624



35.7744, 0.3771, 0.2898



35.7744, 0.3585, 0.4384

Complementary

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



35.7744, 0.2062, 0.2624



16.8634, 0.6191, 0.3466

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.



35.7744, 0.4073, 0.4193



35.7744, 0.2062, 0.2624



35.7744, 0.4209, 0.3335

Square

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



35.7744, 0.2062, 0.2624



35.7744, 0.3166, 0.2558



35.7744, 0.4315, 0.3796



35.7744, 0.3001, 0.4216

Rectangle

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



35.7744, 0.2062, 0.2624



35.7744, 0.2452, 0.2354



35.7744, 0.4315, 0.3796



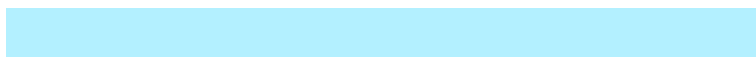
35.7744, 0.3766, 0.4354

Sweetspot

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



35.7787, 0.2062, 0.2624



78.8469, 0.2674, 0.3120



50.8495, 0.2948, 0.5814



16.3438, 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.



35.7787, 0.2062, 0.2624



50.2952, 0.2061, 0.2618



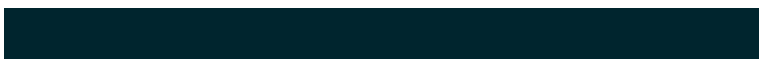
8.9770, 0.1605, 0.0979



14.3620, 0.2982, 0.3242



21.3712, 0.2065, 0.2635



1.4997, 0.2098, 0.2754

Inverse Universe

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



18.1574, 0.3801, 0.1867



25.6085, 0.3807, 0.1871



37.9453, 0.4853, 0.4529



13.2277, 0.3168, 0.3105



10.7812, 0.3790, 0.1862



0.7101, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 35.7744, 0.2062, 0.2624 looks on a white background.

Color Contrast Check

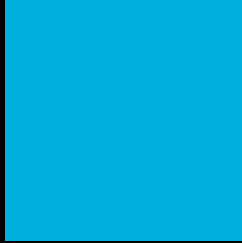
Large Text (above 18pt) WCAG AA × Fail

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 35.7744, 0.2062, 0.2624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

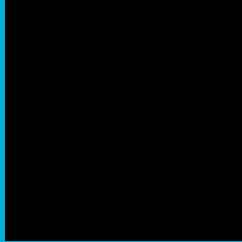
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7744, 0.2062, 0.2624

Background



This preview shows how black text looks on a background with the Yxy color 35.7744, 0.2062, 0.2624.

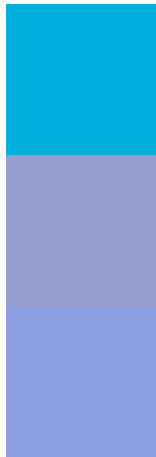


This preview shows how white text looks on a background with the Yxy color 35.7744, 0.2062, 0.2624.

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

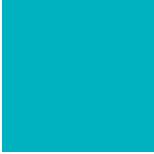
35.7744, 0.2062, 0.2624

Protanopia

35.2546, 0.2646, 0.2613

Deuteranopia

35.2704, 0.2476, 0.2413



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



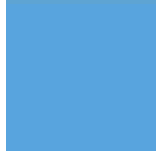
Original Color

35.7744, 0.2062, 0.2624



Protanomaly

33.6338, 0.2284, 0.2590



Deuteranomaly

33.8996, 0.2202, 0.2449



Tritanomaly

35.7085, 0.2137, 0.2892

Monochromacy



Original Color

35.7744, 0.2062, 0.2624



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.5733, 0.2435, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7744, 0.2062, 0.2624 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, 175, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 219)  
}
```

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, 175, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 219) }
```

Border

The CSS property to change the border of an element to Yxy 35.7744, 0.2062, 0.2624 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, 175, 219) }
```

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

```
.border{ border-color:rgb(0, 175, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7744, 0.2062, 0.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 219) }
```

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

```
.background{ background-color: rgb(0, 175,  
219) }
```

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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