

Converting Colors

$Y_{xy}(25.9462, 0.1139, 0.2290)$

Have a look what the booklet for
Yxy(25.9462, 0.1139, 0.2290)
contains.

Yxy(33.3330, 0.2017, 0.2461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3330, 0.2017, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	00A8DF
RGB	0, 168, 223
RGB Percent	0%, 66%, 87%
CMY	1.0000, 0.3412, 0.1256
CMYK	1.00, 0.25, 0.00, 0.13
HSL	195°, 100%, 44%
HSV	195°, 100%, 87%
XYZ	27.3192, 33.3330, 74.7927
YIQ	124.0380, -117.7830, -18.5110

Conversions

Conversions Part 2

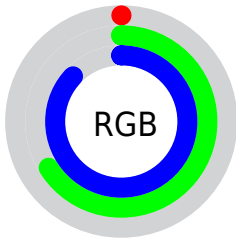
Format	Color
RYB	0, 96, 223
Decimal	43231
CIELab	64.43, -16.71, -37.80
CIELCh	64, 41.322, 246.155
Yxy	33.3330, 0.2017, 0.2461
Android (android.graphics.Color)	4278233311 (0xFF00A8DF)
YUV	124.0380, 48.7883, -108.7813
Hunter-Lab	57.7347, -16.5722, -36.3931

Details

The Yxy color **33.3330, 0.2017, 0.2461** 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 **18.4152, 0.6104, 0.3536**, and the grayscale version is **20.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9986, 0.2312, 0.2898**, and **15.3179, 0.1960, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **33.3342, 0.2017, 0.2461**, and if you desaturate by 10%, it is **35.5814, 0.2058, 0.2552**.

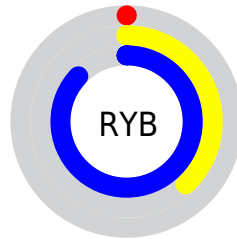
Distribution



Red (0%)

Green (66%)

Blue (87%)



Red (0%)

Yellow (38%)

Blue (87%)

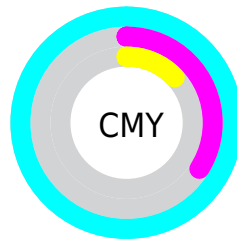


Cyan (100%)

Magenta (25%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3330, 0.2017, 0.2461 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 33.3330, 0.2017, 0.2461 by changing the saturation by 10% instead.

33.3330, 0.2017,
0.2461

33.3330, 0.2017,
0.2461

317.1476, 0.2569,
0.2897

22.3817, 0.1884,
0.2349

64.8951, 0.2215,
0.2622

14.1376, 0.1718,
0.2205

86.2746, 0.2290,
0.2682

8.2164, 0.1507,
0.2015

111.8990, 0.2354,
0.2732

4.2338, 0.1233,
0.1756

142.1526, 0.2409,
0.2775

1.8052, 0.0880,
0.1394

177.4199, 0.2457,
0.2812

0.4904, 0.0100,
0.0839

218.0852, 0.2499,

0.0000, 0.0000,

0.2844

0.0000

264.5330, 0.2536,
0.2872

■ 33.3330, 0.2017,
0.2461

■ 33.3330, 0.2017,
0.2461

■ 33.3342, 0.2017,
0.2461

■ 35.5814, 0.2058,
0.2552

■ 38.1162, 0.2116,
0.2644

■ 41.0049, 0.2193,
0.2736

■ 44.2855, 0.2290,
0.2828

■ 47.9902, 0.2404,
0.2917

■ 52.1472, 0.2533,
0.3002

■ 56.7819, 0.2673,
0.3083

■ 61.9178, 0.2821,
0.3158

■ 67.5763, 0.2973,
0.3227

Harmonies

Analogous

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



33.3330, 0.2021, 0.2881



33.3330, 0.2017, 0.2461



33.3330, 0.2265, 0.2294

Triad

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



33.3330, 0.2017, 0.2461



33.3330, 0.4009, 0.3014



33.3330, 0.3409, 0.4463

Complementary

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



33.3330, 0.2017, 0.2461



18.4152, 0.6104, 0.3536

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.



33.3330, 0.3987, 0.4359



33.3330, 0.2017, 0.2461



33.3330, 0.4375, 0.3494

Square

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



33.3330, 0.2017, 0.2461



33.3330, 0.3387, 0.2612



33.3330, 0.4354, 0.3978



33.3330, 0.2786, 0.4144

Rectangle

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



33.3330, 0.2017, 0.2461



33.3330, 0.2562, 0.2312



33.3330, 0.4354, 0.3978



33.3330, 0.3615, 0.4472

Sweetspot

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



33.3342, 0.2017, 0.2461



76.8152, 0.2670, 0.3081



53.0140, 0.2933, 0.5757



15.8544, 0.2609, 0.3048



0.0000, 0.0000, 0.0000



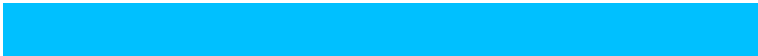
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3342, 0.2017, 0.2461



44.9763, 0.2015, 0.2454



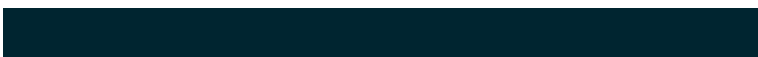
8.5024, 0.1585, 0.0904



14.9699, 0.2982, 0.3231



19.7901, 0.2021, 0.2475



1.5097, 0.2060, 0.2615

Inverse Universe

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



18.5125, 0.3961, 0.1956



25.0715, 0.3968, 0.1960



42.0646, 0.4767, 0.4597



13.8748, 0.3175, 0.3115



10.9059, 0.3947, 0.1948



0.7699, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 33.3330, 0.2017, 0.2461 looks on a white background.

Color Contrast Check

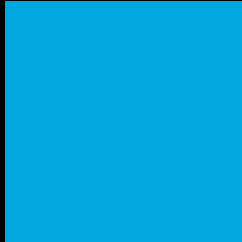
Large Text (above 18pt) WCAG AA × Fail

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 33.3330, 0.2017, 0.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

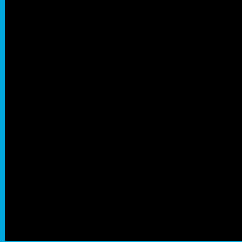
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3330, 0.2017, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 33.3330, 0.2017, 0.2461.



This preview shows how white text looks on a background with the Yxy color 33.3330, 0.2017, 0.2461.

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

33.3330, 0.2017, 0.2461

Protanopia

32.8889, 0.2534, 0.2478

Deuteranopia

33.0378, 0.2362, 0.2303



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.3330, 0.2017, 0.2461



Protanomaly

31.4347, 0.2214, 0.2440



Deuteranomaly

31.9380, 0.2137, 0.2330



Tritanomaly

33.2493, 0.2121, 0.2836

Monochromacy



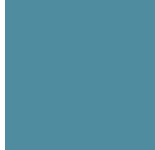
Original Color

33.3330, 0.2017, 0.2461



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.9565, 0.2411, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3330, 0.2017, 0.2461 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, 168, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 223)  
}
```

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, 168, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 223) }
```

Border

The CSS property to change the border of an element to Yxy 33.3330, 0.2017, 0.2461 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, 168, 223) }
```

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

```
.border{ border-color:rgb(0, 168, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3330, 0.2017, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 223) }
```

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

```
.background{ background-color: rgb(0, 168,  
223) }
```

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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