

Converting Colors

$Y_{xy}(34.4006, 0.2067, 0.2640)$

Have a look what the booklet for
Yxy(34.4006, 0.2067, 0.2640)
contains.

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Color

Yxy(34.3601, 0.2067, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	00ACD6
RGB	0, 172, 214
RGB Percent	0%, 67%, 84%
CMY	1.0000, 0.3255, 0.1607
CMYK	1.00, 0.20, 0.00, 0.16
HSL	192°, 100%, 42%
HSV	192°, 100%, 84%
XYZ	26.8922, 34.3601, 68.8503
YIQ	125.3600, -115.9940, -23.4020

Conversions

Conversions Part 2

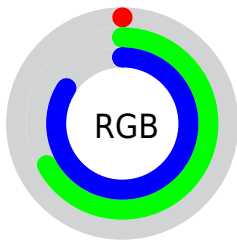
Format	Color
RYB	0, 95, 214
Decimal	44246
CIELab	65.25, -21.96, -31.58
CIELCh	65, 38.465, 235.190
Yxy	34.3601, 0.2067, 0.2641
Android (android.graphics.Color)	4278234326 (0xFF00ACD6)
YUV	125.3600, 43.6995, -109.9407
Hunter-Lab	58.6175, -20.6894, -28.6080

Details

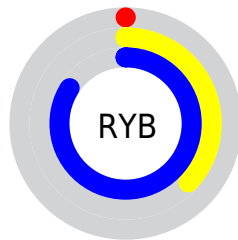
The Yxy color **34.3601, 0.2067, 0.2641** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.9580, 0.6197, 0.3462**, and the grayscale version is **20.5159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6499, 0.2323, 0.2961**, and **15.9361, 0.2024, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **34.3613, 0.2067, 0.2641**, and if you desaturate by 10%, it is **36.1504, 0.2102, 0.2712**.

Distribution



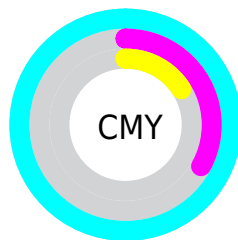
- Red (0%)
- Green (67%)
- Blue (84%)



- Red (0%)
- Yellow (37%)
- Blue (84%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3601, 0.2067, 0.2641 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 34.3601, 0.2067, 0.2641 by changing the saturation by 10% instead.


 34.3601, 0.2067,
0.2641


 34.3601, 0.2067,
0.2641


321.7348, 0.2595,
0.2989


 23.1704, 0.1939,
0.2549


 66.4933, 0.2257,
0.2772

 14.7194, 0.1778,
0.2427


 88.2055, 0.2329,
0.2820


 8.6227, 0.1572,
0.2264


 114.1940, 0.2390,
0.2860

 4.4959, 0.1301,
0.2033

 144.8432, 0.2443,
0.2894

 1.9546, 0.0944,
0.1694

 180.5375, 0.2488,
0.2923

 0.5809, 0.0033,
0.1181

221.6612, 0.2528,

 0.0000, 0.0000,

0.2948

0.0000

268.5989, 0.2564,
0.2970

■ 34.3601, 0.2067,
0.2641

■ 34.3601, 0.2067,
0.2641

■ 34.3613, 0.2067,
0.2641

■ 36.1504, 0.2102,
0.2712

■ 38.1721, 0.2153,
0.2783

■ 40.4874, 0.2224,
0.2855

■ 43.1301, 0.2314,
0.2926

■ 46.1288, 0.2421,
0.2996

■ 49.5085, 0.2544,
0.3063

■ 53.2920, 0.2679,
0.3126

■ 57.4997, 0.2823,
0.3185

■ 62.1508, 0.2974,
0.3240

Harmonies

Analogous

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



34.3601, 0.2162, 0.3114



34.3601, 0.2067, 0.2641



34.3601, 0.2215, 0.2396

Triad

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



34.3601, 0.2067, 0.2641



34.3601, 0.3747, 0.2887



34.3601, 0.3602, 0.4376

Complementary

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



34.3601, 0.2067, 0.2641



15.9580, 0.6197, 0.3462

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.



34.3601, 0.4080, 0.4177



34.3601, 0.2067, 0.2641



34.3601, 0.4192, 0.3319

Square

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



34.3601, 0.2067, 0.2641



34.3601, 0.3144, 0.2553



34.3601, 0.4310, 0.3778



34.3601, 0.3022, 0.4222

Rectangle

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



34.3601, 0.2067, 0.2641



34.3601, 0.2441, 0.2359



34.3601, 0.4310, 0.3778



34.3601, 0.3781, 0.4342

Sweetspot

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



34.3613, 0.2067, 0.2641



79.0516, 0.2675, 0.3124



48.2547, 0.2955, 0.5839



16.3932, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



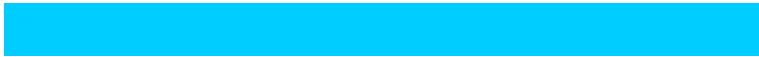
21.4041, 0.3127, 0.3290

Same Dimension

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



34.3613, 0.2067, 0.2641



50.8479, 0.2065, 0.2634



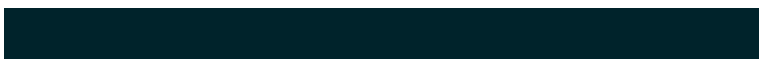
8.9635, 0.1617, 0.1021



13.6742, 0.2983, 0.3243



20.9117, 0.2070, 0.2652



1.3695, 0.2104, 0.2774

Inverse Universe

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



17.2787, 0.3784, 0.1858



25.6643, 0.3791, 0.1862



34.9356, 0.4896, 0.4494



12.5889, 0.3167, 0.3105



10.4559, 0.3774, 0.1853



0.6416, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 34.3601, 0.2067, 0.2641 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 34.3601, 0.2067, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

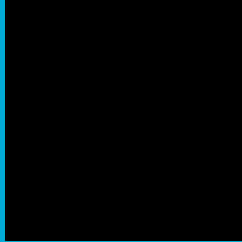
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3601, 0.2067, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 34.3601, 0.2067, 0.2641.



This preview shows how white text looks on a background with the Yxy color 34.3601, 0.2067, 0.2641.

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

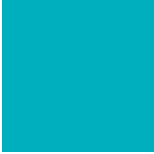
34.3601, 0.2067, 0.2641

Protanopia

34.0609, 0.2655, 0.2642

Deuteranopia

34.2422, 0.2495, 0.2440



Tritanopia

34.3341, 0.2182, 0.3057

Trichromacy



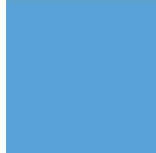
Original Color

34.3601, 0.2067, 0.2641



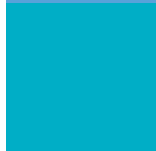
Protanomaly

32.5722, 0.2292, 0.2622



Deuteranomaly

32.9251, 0.2218, 0.2479



Tritanomaly

34.3493, 0.2139, 0.2901

Monochromacy



Original Color

34.3601, 0.2067, 0.2641



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.4858, 0.2445, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3601, 0.2067, 0.2641 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, 172, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 214)  
}
```

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, 172, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 214) }
```

Border

The CSS property to change the border of an element to Yxy 34.3601, 0.2067, 0.2641 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, 172, 214) }
```

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

```
.border{ border-color:rgb(0, 172, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3601, 0.2067, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 214) }
```

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

```
.background{ background-color: rgb(0, 172,  
214) }
```

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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