

Converting Colors

$Yxy(30.0849, 0.1531, 0.2478)$

Have a look what the booklet for
Yxy(30.0849, 0.1531, 0.2478)
contains.

Yxy(34.6724, 0.2045, 0.2563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6724, 0.2045, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	00ACDC
RGB	0, 172, 220
RGB Percent	0%, 67%, 86%
CMY	1.0000, 0.3254, 0.1373
CMYK	1.00, 0.22, 0.00, 0.14
HSL	193°, 100%, 43%
HSV	193°, 100%, 86%
XYZ	27.6649, 34.6724, 72.9433
YIQ	126.0440, -117.9200, -21.5360

Conversions

Conversions Part 2

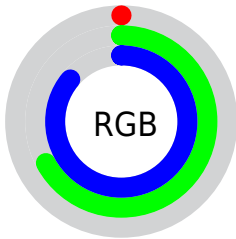
Format	Color
RYB	0, 97, 220
Decimal	44252
CIELab	65.49, -19.90, -34.50
CIELCh	65, 39.825, 240.017
Yxy	34.6724, 0.2045, 0.2563
Android (android.graphics.Color)	4278234332 (0xFF00ACDC)
YUV	126.0440, 46.3203, -110.5406
Hunter-Lab	58.8833, -19.1819, -32.2288

Details

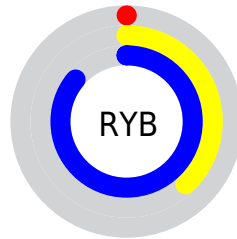
The Yxy color **34.6724, 0.2045, 0.2563** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.3283, 0.6159, 0.3491**, and the grayscale version is **20.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1614, 0.2323, 0.2949**, and **16.1496, 0.1996, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **34.6772, 0.2045, 0.2563**, and if you desaturate by 10%, it is **36.7077, 0.2083, 0.2643**.

Distribution



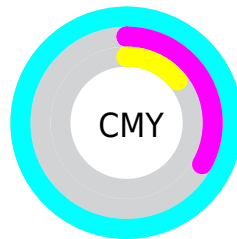
- Red (0%)
- Green (67%)
- Blue (86%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (33%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6724, 0.2045, 0.2563 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 34.6724, 0.2045, 0.2563 by changing the saturation by 10% instead.

 34.6724, 0.2045,
0.2563


 34.6724, 0.2045,
0.2563


323.1200, 0.2582,
0.2948


 23.4106, 0.1916,
0.2463


 66.9780, 0.2237,
0.2707

 14.8970, 0.1754,
0.2333


 88.7905, 0.2310,
0.2760


 8.7471, 0.1548,
0.2159


 114.8888, 0.2373,
0.2804

 4.5766, 0.1280,
0.1918

 145.6572, 0.2426,
0.2842

 2.0011, 0.0930,
0.1574

 181.4802, 0.2473,
0.2874

 0.6081, 0.0162,
0.1069

222.7420, 0.2514,

 0.0000, 0.0000,

0.2902

0.0000

269.8271, 0.2550,
0.2927

■ 34.6724, 0.2045,
0.2563

■ 34.6724, 0.2045,
0.2563

■ 34.6772, 0.2045,
0.2563

■ 36.7077, 0.2083,
0.2643

■ 38.9992, 0.2137,
0.2723

■ 41.6158, 0.2210,
0.2804

■ 44.5941, 0.2303,
0.2884

■ 47.9648, 0.2414,
0.2961

■ 51.7551, 0.2539,
0.3036

■ 55.9891, 0.2676,
0.3107

■ 60.6892, 0.2822,
0.3174

■ 65.8760, 0.2973,
0.3234

Harmonies

Analogous

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



34.6724, 0.2101, 0.3014



34.6724, 0.2045, 0.2563



34.6724, 0.2235, 0.2352

Triad

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



34.6724, 0.2045, 0.2563



34.6724, 0.3858, 0.2941



34.6724, 0.3521, 0.4414

Complementary

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



34.6724, 0.2045, 0.2563



17.3283, 0.6159, 0.3491

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.



34.6724, 0.4042, 0.4254



34.6724, 0.2045, 0.2563



34.6724, 0.4271, 0.3393

Square

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



34.6724, 0.2045, 0.2563



34.6724, 0.3245, 0.2578



34.6724, 0.4331, 0.3862



34.6724, 0.2922, 0.4192

Rectangle

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



34.6724, 0.2045, 0.2563



34.6724, 0.2491, 0.2338



34.6724, 0.4331, 0.3862



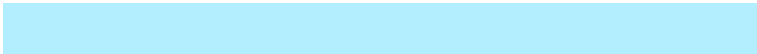
34.6724, 0.3712, 0.4397

Sweetspot

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



34.6772, 0.2045, 0.2563



78.0762, 0.2673, 0.3106



51.3967, 0.2941, 0.5787



16.1580, 0.2613, 0.3076



0.0000, 0.0000, 0.0000



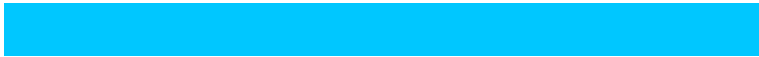
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6772, 0.2045, 0.2563



48.2416, 0.2044, 0.2557



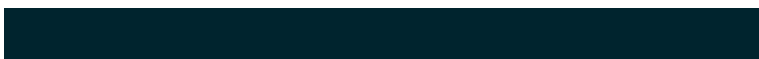
8.6489, 0.1595, 0.0941



14.3225, 0.2982, 0.3238



20.5223, 0.2049, 0.2575



1.4515, 0.2085, 0.2705

Inverse Universe

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



18.1946, 0.3860, 0.1900



25.4012, 0.3866, 0.1904



39.5555, 0.4809, 0.4563



13.2237, 0.3171, 0.3109



10.6955, 0.3848, 0.1893



0.7052, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 34.6724, 0.2045, 0.2563 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 34.6724, 0.2045, 0.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

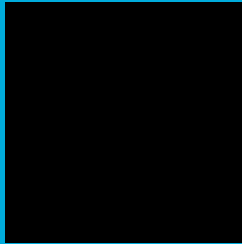
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6724, 0.2045, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 34.6724, 0.2045, 0.2563.

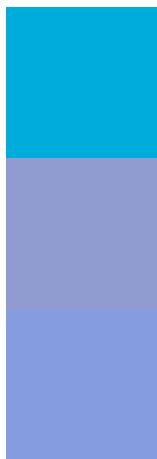


This preview shows how white text looks on a background with the Yxy color 34.6724, 0.2045, 0.2563.

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

34.6724, 0.2045, 0.2563

Protanopia

34.2603, 0.2605, 0.2567

Deuteranopia

34.2271, 0.2431, 0.2366



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



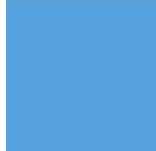
Original Color

34.6724, 0.2045, 0.2563



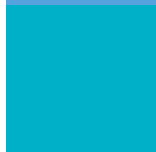
Protanomaly

32.8694, 0.2262, 0.2544



Deuteranomaly

33.0997, 0.2178, 0.2404



Tritanomaly

34.8301, 0.2136, 0.2888

Monochromacy



Original Color

34.6724, 0.2045, 0.2563



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.8885, 0.2428, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6724, 0.2045, 0.2563 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 220) }
```

Border

The CSS property to change the border of an element to Yxy 34.6724, 0.2045, 0.2563 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, 220) }
```

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

```
.border{ border-color:rgb(0, 172, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6724, 0.2045, 0.2563 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, 220) }
```

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

```
.background{ background-color: rgb(0, 172,  
220) }
```

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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