

Converting Colors

$Y_{xy}(34.1873, 0.2006, 0.2363)$

Have a look what the booklet for
Yxy(34.1873, 0.2006, 0.2363)
contains.

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Color

Yxy(34.0136, 0.2004, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	17A8E8
RGB	23, 168, 232
RGB Percent	9%, 66%, 91%
CMY	0.9098, 0.3412, 0.0902
CMYK	0.90, 0.28, 0.00, 0.09
HSL	198°, 82%, 50%
HSV	198°, 90%, 91%
XYZ	28.9195, 34.0136, 81.3758
YIQ	131.9410, -106.9640, -10.8360

Conversions

Conversions Part 2

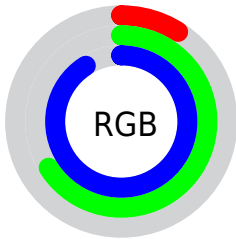
Format	Color
R _Y B	23, 109, 232
Decimal	1550568
CIE Lab	64.97, -12.73, -41.89
CIE LCh	65, 43.781, 253.099
Yxy	34.0136, 0.2004, 0.2357
Android (android.graphics.Color)	4279740648 (0xFF17A8E8)
YUV	131.9410, 49.3291, -95.5413
Hunter-Lab	58.3212, -13.5500, -41.9027

Details

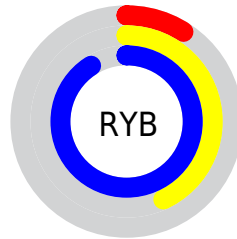
The Yxy color **34.0136, 0.2004, 0.2357** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **24.0297, 0.5722, 0.3733**, and the grayscale version is **22.9006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4401, 0.2337, 0.2901**, and **15.6254, 0.1928, 0.2139** is the 20% darker color. If you saturate the color by 10%, you get **31.3023, 0.1957, 0.2243**, and if you desaturate by 10%, it is **37.1128, 0.2070, 0.2474**.

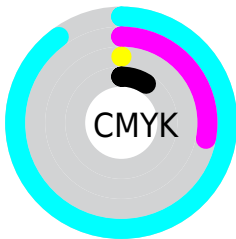
Distribution



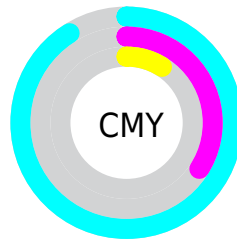
- Red (9%)
- Green (66%)
- Blue (91%)



- Red (9%)
- Yellow (43%)
- Blue (91%)



- Cyan (90%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (91%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0136, 0.2004, 0.2357 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 34.0136, 0.2004, 0.2357 by changing the saturation by 10% instead.

■ 34.0136, 0.2004,
0.2357

■ 34.0136, 0.2004,
0.2357

■ 320.1927, 0.2560,
0.2838

■ 22.9040, 0.1872,
0.2237

■ 65.9548, 0.2202,
0.2533

■ 14.5227, 0.1707,
0.2085

■ 87.5553, 0.2278,
0.2598

■ 8.4851, 0.1499,
0.1887

■ 113.4215, 0.2342,
0.2654

■ 4.4069, 0.1233,
0.1623

■ 143.9378, 0.2398,
0.2701

■ 1.9037, 0.0892,
0.1267

■ 179.4888, 0.2446,
0.2742

■ 0.5506, 0.0294,
0.0761

■ 220.4586, 0.2489,

■ 0.0000, 0.0000,

0.2778

0.0000

267.2318, 0.2526,
0.2810

■ 34.0136, 0.2004,
0.2357

■ 34.0136, 0.2004,
0.2357

■ 31.3023, 0.1957,
0.2243

■ 37.1128, 0.2070,
0.2474

■ 40.6473, 0.2156,
0.2591

■ 44.6615, 0.2261,
0.2708

■ 49.1920, 0.2384,
0.2821

■ 54.2709, 0.2520,
0.2929

■ 59.9273, 0.2665,
0.3030

■ 66.1879, 0.2817,
0.3125

■ 73.0774, 0.2971,
0.3211

■ 80.6190, 0.3126,
0.3289

Harmonies

Analogous

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



34.0136, 0.1946, 0.2731



34.0136, 0.2004, 0.2357



34.0136, 0.2320, 0.2244

Triad

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



34.0136, 0.2004, 0.2357



34.0136, 0.4177, 0.3110



34.0136, 0.3264, 0.4493

Complementary

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



34.0136, 0.2004, 0.2357



24.0297, 0.5722, 0.3733

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.



34.0136, 0.3898, 0.4471



34.0136, 0.2004, 0.2357



34.0136, 0.4472, 0.3617

Square

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



34.0136, 0.2004, 0.2357



34.0136, 0.3561, 0.2667



34.0136, 0.4352, 0.4112



34.0136, 0.2627, 0.4057

Rectangle

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



34.0136, 0.2004, 0.2357



34.0136, 0.2664, 0.2298



34.0136, 0.4352, 0.4112



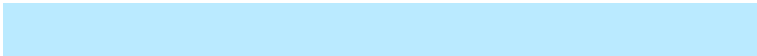
34.0136, 0.3485, 0.4536

Sweetspot

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



34.0147, 0.2004, 0.2357



76.4785, 0.2709, 0.3059



58.5560, 0.2863, 0.5430



15.8206, 0.2658, 0.3026



0.0000, 0.0000, 0.0000



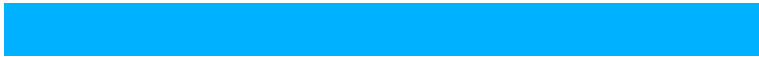
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0147, 0.2004, 0.2357



38.6363, 0.1955, 0.2237



9.7652, 0.1617, 0.0940



15.5525, 0.2981, 0.3216



17.6123, 0.1962, 0.2262



1.4639, 0.2008, 0.2430

Inverse Universe

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



20.5940, 0.4060, 0.2057



24.4315, 0.4192, 0.2083



54.1255, 0.4530, 0.4726



14.5361, 0.3185, 0.3128



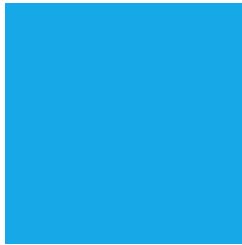
10.9757, 0.4166, 0.2069



0.8275, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 34.0136, 0.2004, 0.2357 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 34.0136, 0.2004, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

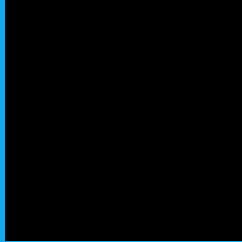
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

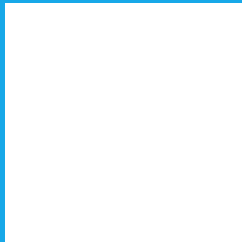
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0136, 0.2004, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 34.0136, 0.2004, 0.2357.



This preview shows how white text looks on a background with the Yxy color 34.0136, 0.2004, 0.2357.

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

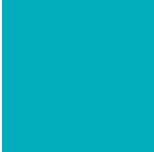
34.0136, 0.2004, 0.2357

Protanopia

33.5659, 0.2459, 0.2374

Deuteranopia

33.7682, 0.2283, 0.2226



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

34.0136, 0.2004, 0.2357



Protanomaly

32.6654, 0.2205, 0.2345



Deuteranomaly

33.0134, 0.2124, 0.2250



Tritanomaly

33.8685, 0.2115, 0.2795

Monochromacy



Original Color

34.0136, 0.2004, 0.2357



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.3533, 0.2462, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0136, 0.2004, 0.2357 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(23, 168, 232)` looks like.

```
.text, #text, p{  
    color:rgb(23, 168, 232)  
}
```

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(23, 168, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 168, 232) }
```

Border

The CSS property to change the border of an element to Yxy 34.0136, 0.2004, 0.2357 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(23, 168, 232) }
```

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

```
.border{ border-color:rgb(23, 168, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 168, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 168, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 168, 232);  
box-shadow:4px 4px 4px 4px rgb(23, 168,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0136, 0.2004, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 168, 232) }
```

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

```
.background{ background-color: rgb(23, 168,  
232) }
```

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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