

Converting Colors

$Y_{xy}(34.6383, 0.2021, 0.2418)$

Have a look what the booklet for
Yxy(34.6383, 0.2021, 0.2418)
contains.

Yxy(34.6448, 0.2019, 0.2411)	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(34.6448, 0.2019, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	17AAE6
RGB	23, 170, 230
RGB Percent	9%, 67%, 90%
CMY	0.9101, 0.3333, 0.0979
CMYK	0.90, 0.26, 0.00, 0.10
HSL	197°, 82%, 50%
HSV	197°, 90%, 90%
XYZ	29.0120, 34.6448, 80.0380
YIQ	132.8870, -106.8720, -12.5040

Conversions

Conversions Part 2

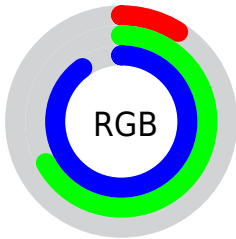
Format	Color
R _Y B	23, 109, 230
Decimal	1551078
CIE Lab	65.47, -14.52, -40.03
CIE LCh	65, 42.582, 250.069
Yxy	34.6448, 0.2019, 0.2411
Android (android.graphics.Color)	4279741158 (0xFF17AAE6)
YUV	132.8870, 47.8767, -96.3709
Hunter-Lab	58.8598, -15.0222, -39.4210

Details

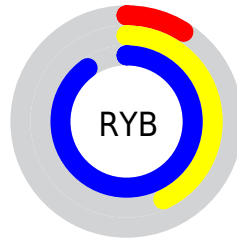
The Yxy color **34.6448, 0.2019, 0.2411** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **23.0688, 0.5758, 0.3702**, and the grayscale version is **23.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4499, 0.2339, 0.2925**, and **16.0129, 0.1947, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **32.0347, 0.1973, 0.2303**, and if you desaturate by 10%, it is **37.6075, 0.2083, 0.2521**.

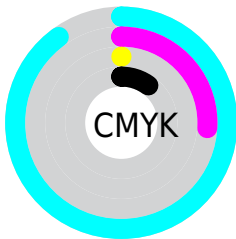
Distribution



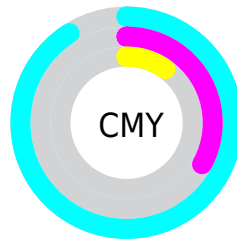
- Red (9%)
- Green (67%)
- Blue (90%)



- Red (9%)
- Yellow (43%)
- Blue (90%)



- Cyan (90%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)





- Cyan (91%)
- Magenta (33%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6448, 0.2019, 0.2411 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 34.6448, 0.2019, 0.2411 by changing the saturation by 10% instead.


 34.6448, 0.2019,
0.2411


 34.6448, 0.2019,
0.2411


322.9977, 0.2567,
0.2866


 23.3894, 0.1889,
0.2297


 66.9351, 0.2214,
0.2578

 14.8813, 0.1726,
0.2151


 88.7389, 0.2289,
0.2640


 8.7361, 0.1520,
0.1960


 114.8275, 0.2352,
0.2693

 4.5695, 0.1256,
0.1704

 145.5854, 0.2407,
0.2738

 1.9969, 0.0916,
0.1353

 181.3969, 0.2455,
0.2776

 0.6057, 0.0314,
0.0859

222.6466, 0.2497,

 0.0000, 0.0000,

0.2810

0.0000

269.7187, 0.2534,
0.2840

■ 34.6448, 0.2019,
0.2411

■ 34.6448, 0.2019,
0.2411

■ 32.0347, 0.1973,
0.2303

■ 37.6075, 0.2083,
0.2521

■ 40.9832, 0.2166,
0.2632

■ 44.8150, 0.2270,
0.2741

■ 49.1383, 0.2390,
0.2847

■ 53.9845, 0.2524,
0.2949

■ 59.3815, 0.2668,
0.3045

■ 65.3552, 0.2818,
0.3134

■ 71.9295, 0.2972,
0.3216

■ 79.1269, 0.3127,
0.3290

Harmonies

Analogous

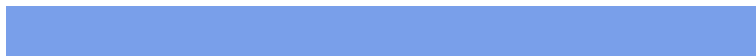
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6448, 0.1989, 0.2802



34.6448, 0.2019, 0.2411



34.6448, 0.2303, 0.2275

Triad

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



34.6448, 0.2019, 0.2411



34.6448, 0.4092, 0.3069



34.6448, 0.3328, 0.4468

Complementary

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



34.6448, 0.2019, 0.2411



23.0688, 0.5758, 0.3702

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.



34.6448, 0.3931, 0.4411



34.6448, 0.2019, 0.2411



34.6448, 0.4417, 0.3561

Square

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



34.6448, 0.2019, 0.2411



34.6448, 0.3479, 0.2648



34.6448, 0.4343, 0.4046



34.6448, 0.2703, 0.4088

Rectangle

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



34.6448, 0.2019, 0.2411



34.6448, 0.2623, 0.2312



34.6448, 0.4343, 0.4046



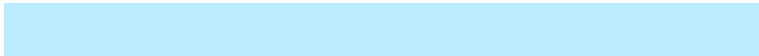
34.6448, 0.3540, 0.4495

Sweetspot

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



34.6460, 0.2019, 0.2411



77.1200, 0.2711, 0.3071



57.3917, 0.2874, 0.5469



15.9731, 0.2659, 0.3040



0.0000, 0.0000, 0.0000



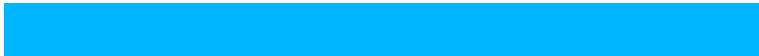
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6460, 0.2019, 0.2411



40.3046, 0.1972, 0.2297



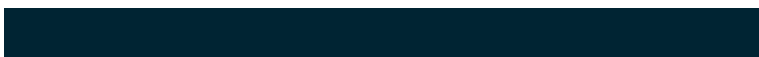
10.0066, 0.1627, 0.0975



15.5936, 0.2981, 0.3220



18.3522, 0.1978, 0.2320



1.5140, 0.2022, 0.2479

Inverse Universe

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



20.3396, 0.4005, 0.2026



24.5999, 0.4129, 0.2048



51.6514, 0.4563, 0.4697



14.5403, 0.3182, 0.3125



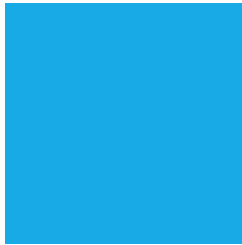
11.0504, 0.4105, 0.2035



0.8325, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 34.6448, 0.2019, 0.2411 looks on a white background.

Color Contrast Check

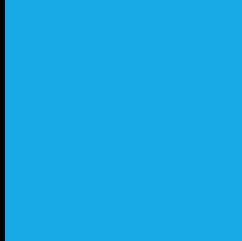
Large Text (above 18pt) WCAG AA × Fail

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 34.6448, 0.2019, 0.2411 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

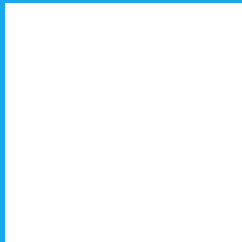
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.6448, 0.2019, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 34.6448, 0.2019, 0.2411.



This preview shows how white text looks on a background with the Yxy color 34.6448, 0.2019, 0.2411.

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

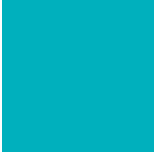
34.6448, 0.2019, 0.2411

Protanopia

34.3804, 0.2496, 0.2430

Deuteranopia

34.3571, 0.2326, 0.2269



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.6448, 0.2019, 0.2411

Protanomaly

33.3588, 0.2230, 0.2400

Deuteranomaly

33.7416, 0.2152, 0.2304

Tritanomaly

34.6834, 0.2120, 0.2814

Monochromacy



Original Color

34.6448, 0.2019, 0.2411

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.7121, 0.2472, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6448, 0.2019, 0.2411 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, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(23, 170, 230)  
}
```

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, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 170, 230) }
```

Border

The CSS property to change the border of an element to Yxy 34.6448, 0.2019, 0.2411 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, 170, 230) }
```

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

```
.border{ border-color:rgb(23, 170, 230) }
```

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

Here you see how a box with a 4 pixel rgb(23, 170, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 170, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 170, 230);  
box-shadow:4px 4px 4px 4px rgb(23, 170,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6448, 0.2019, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 170, 230) }
```

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

```
.background{ background-color: rgb(23, 170,  
230) }
```

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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