

Converting Colors

$Yxy(34.2708, 0.2033, 0.2410)$

Have a look what the booklet for
Yxy(34.2708, 0.2033, 0.2410)
contains.

Yxy(34.3732, 0.2033, 0.2410)	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(34.3732, 0.2033, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	22A9E5
RGB	34, 169, 229
RGB Percent	13%, 66%, 90%
CMY	0.8662, 0.3373, 0.1018
CMYK	0.85, 0.26, 0.00, 0.10
HSL	198°, 79%, 52%
HSV	198°, 85%, 90%
XYZ	28.9961, 34.3732, 79.2580
YIQ	135.4750, -99.7200, -9.9600

Conversions

Conversions Part 2

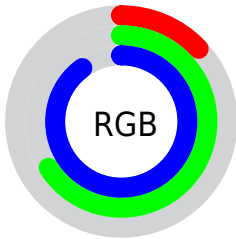
Format	Color
R _Y B	34, 114, 229
Decimal	2271717
CIE Lab	65.26, -13.66, -39.81
CIE LCh	65, 42.089, 251.066
Yxy	34.3732, 0.2033, 0.2410
Android (android.graphics.Color)	4280461797 (0xFF22A9E5)
YUV	135.4750, 46.1078, -88.9936
Hunter-Lab	58.6287, -14.3189, -39.1120

Details

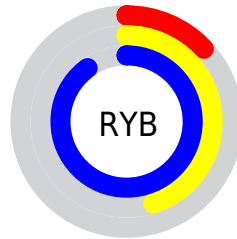
The Yxy color **34.3732, 0.2033, 0.2410** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **24.8112, 0.5565, 0.3770**, and the grayscale version is **24.2798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1761, 0.2351, 0.2914**, and **15.7397, 0.1945, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **31.5506, 0.1977, 0.2294**, and if you desaturate by 10%, it is **37.5986, 0.2109, 0.2528**.

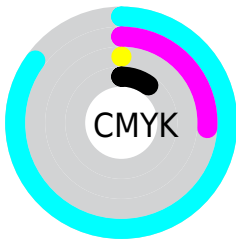
Distribution



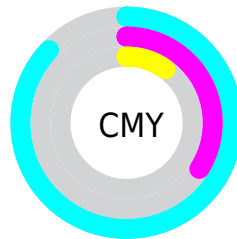
- Red (13%)
- Green (66%)
- Blue (90%)



- Red (13%)
- Yellow (45%)
- Blue (90%)



- Cyan (85%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)





- Cyan (87%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3732, 0.2033, 0.2410 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 34.3732, 0.2033, 0.2410 by changing the saturation by 10% instead.


 34.3732, 0.2033,
0.2410


 34.3732, 0.2033,
0.2410


321.7929, 0.2575,
0.2865


 23.1804, 0.1903,
0.2295


 66.5136, 0.2227,
0.2577

 14.7268, 0.1742,
0.2149


 88.2301, 0.2300,
0.2639


 8.6279, 0.1537,
0.1958


 114.2232, 0.2363,
0.2692

 4.4993, 0.1272,
0.1701

 144.8774, 0.2417,
0.2737

 1.9566, 0.0930,
0.1349

 180.5771, 0.2465,
0.2776

 0.5821, 0.0319,
0.0845

221.7066, 0.2506,

 0.0000, 0.0000,

0.2809

0.0000

268.6505, 0.2543,
0.2839

■ 34.3732, 0.2033,
0.2410

■ 34.3732, 0.2033,
0.2410

■ 31.5506, 0.1977,
0.2294

■ 37.5986, 0.2109,
0.2528

■ 30.2792, 0.1955,
0.2237

■ 41.2700, 0.2206,
0.2646

■ 45.4267, 0.2320,
0.2761

■ 50.1020, 0.2450,
0.2873

■ 55.3255, 0.2591,
0.2978

■ 61.1242, 0.2740,
0.3077

■ 67.5229, 0.2894,
0.3168

■ 74.5449, 0.3049,
0.3251

■ 82.2119, 0.3202,
0.3325

Harmonies

Analogous

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



34.3732, 0.1995, 0.2790



34.3732, 0.2033, 0.2410



34.3732, 0.2323, 0.2282

Triad

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



34.3732, 0.2033, 0.2410



34.3732, 0.4100, 0.3087



34.3732, 0.3306, 0.4451

Complementary

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



34.3732, 0.2033, 0.2410



24.8112, 0.5565, 0.3770

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.



34.3732, 0.3907, 0.4409



34.3732, 0.2033, 0.2410



34.3732, 0.4410, 0.3577

Square

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



34.3732, 0.2033, 0.2410



34.3732, 0.3499, 0.2665



34.3732, 0.4324, 0.4056



34.3732, 0.2688, 0.4061

Rectangle

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



34.3732, 0.2033, 0.2410



34.3732, 0.2646, 0.2324



34.3732, 0.4324, 0.4056



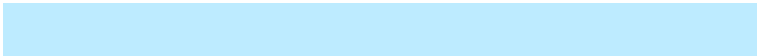
34.3732, 0.3517, 0.4483

Sweetspot

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



34.3744, 0.2033, 0.2410



77.1762, 0.2724, 0.3067



57.1814, 0.2851, 0.5319



15.9548, 0.2672, 0.3033



0.0000, 0.0000, 0.0000



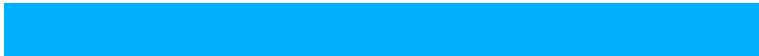
21.4041, 0.3127, 0.3290

Same Dimension

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



34.3744, 0.2033, 0.2410



38.4501, 0.1953, 0.2231



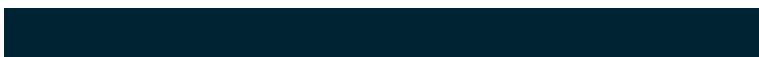
10.7783, 0.1665, 0.1043



15.5479, 0.2981, 0.3216



17.5297, 0.1960, 0.2255



1.4583, 0.2007, 0.2424

Inverse Universe

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



20.6779, 0.4000, 0.2065



24.4127, 0.4200, 0.2087



53.6270, 0.4483, 0.4710



14.5357, 0.3185, 0.3129



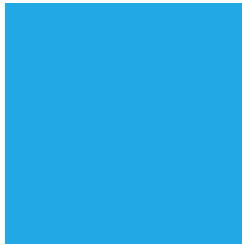
10.9673, 0.4173, 0.2073



0.8269, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 34.3732, 0.2033, 0.2410 looks on a white background.

Color Contrast Check

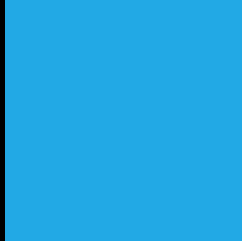
Large Text (above 18pt) WCAG AA × Fail

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 34.3732, 0.2033, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

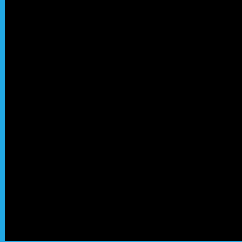
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

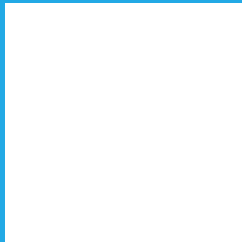
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3732, 0.2033, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 34.3732, 0.2033, 0.2410.



This preview shows how white text looks on a background with the Yxy color 34.3732, 0.2033, 0.2410.

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

34.3732, 0.2033, 0.2410

Protanopia

33.9079, 0.2493, 0.2425

Deuteranopia

33.9631, 0.2328, 0.2265



Tritanopia

34.2908, 0.2187, 0.3072

Trichromacy



Original Color

34.3732, 0.2033, 0.2410

Protanomaly

33.1249, 0.2247, 0.2400

Deuteranomaly

33.5346, 0.2170, 0.2304

Tritanomaly

34.2771, 0.2123, 0.2812

Monochromacy



Original Color

34.3732, 0.2033, 0.2410

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.7347, 0.2507, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3732, 0.2033, 0.2410 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(34, 169, 229)` looks like.

```
.text, #text, p{  
    color:rgb(34, 169, 229)  
}
```

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(34, 169, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 169, 229) }
```

Border

The CSS property to change the border of an element to Yxy 34.3732, 0.2033, 0.2410 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(34, 169, 229) }
```

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

```
.border{ border-color:rgb(34, 169, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 169, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 169, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 169, 229);  
box-shadow:4px 4px 4px 4px rgb(34, 169,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3732, 0.2033, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 169, 229) }
```

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

```
.background{ background-color: rgb(34, 169,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor