

Converting Colors

$Y_{xy}(30.1080, 0.2020, 0.2348)$

Have a look what the booklet for
Yxy(30.1080, 0.2020, 0.2348)
contains.

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Color

Yxy(29.9784, 0.2019, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	239EDC
RGB	35, 158, 220
RGB Percent	14%, 62%, 86%
CMY	0.8636, 0.3803, 0.1372
CMYK	0.84, 0.28, 0.00, 0.14
HSL	200°, 73%, 50%
HSV	200°, 84%, 86%
XYZ	25.8329, 29.9784, 72.1375
YIQ	128.2910, -93.2100, -6.7940

Conversions

Conversions Part 2

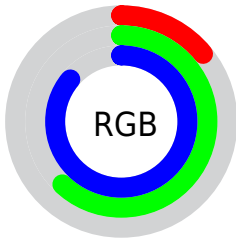
Format	Color
R_{YB}	35, 109, 220
Decimal	2334428
CIE _{Lab}	61.64, -10.76, -40.50
CIE _{LCh}	62, 41.903, 255.123
Yxy	29.9784, 0.2019, 0.2343
Android (android.graphics.Color)	4280524508 (0xFF239EDC)
YUV	128.2910, 45.2125, -81.8162
Hunter-Lab	54.7525, -11.5986, -39.7889

Details

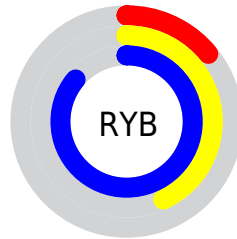
The Yxy color **29.9784, 0.2019, 0.2343** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **23.8452, 0.5469, 0.3828**, and the grayscale version is **21.5368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8177, 0.2311, 0.2761**, and **13.2320, 0.1919, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **27.2721, 0.1958, 0.2216**, and if you desaturate by 10%, it is **33.0776, 0.2101, 0.2472**.

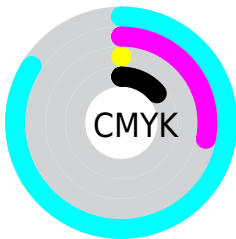
Distribution



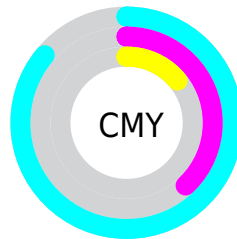
- Red (14%)
- Green (62%)
- Blue (86%)



- Red (14%)
- Yellow (43%)
- Blue (86%)



- Cyan (84%)
- Magenta (28%)
- Yellow (0%)
- Black (14%)



- Cyan (86%)
- Magenta (38%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9784, 0.2019, 0.2343 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 29.9784, 0.2019, 0.2343 by changing the saturation by 10% instead.

■ 29.9784, 0.2019,
0.2343

■ 29.9784, 0.2019,
0.2343

■ 301.8038, 0.2580,
0.2839

■ 19.8222, 0.1882,
0.2216

■ 59.6280, 0.2222,
0.2526

■ 12.2659, 0.1709,
0.2054

■ 79.8902, 0.2298,
0.2594

■ 6.9250, 0.1489,
0.1841

■ 104.2899, 0.2363,
0.2652

■ 3.4152, 0.1202,
0.1553

■ 133.2114, 0.2419,
0.2700

■ 1.3522, 0.0831,
0.1162

■ 167.0391, 0.2467,
0.2742

■ 0.1811, 0.0000,
0.0360

206.1575, 0.2509,

■ 0.0000, 0.0000,

0.2779

0.0000

250.9509, 0.2547,
0.2811

■ 29.9784, 0.2019,
0.2343

■ 29.9784, 0.2019,
0.2343

■ 27.2721, 0.1958,
0.2216

■ 33.0776, 0.2101,
0.2472

■ 25.8394, 0.1929,
0.2143

■ 36.6084, 0.2204,
0.2601

■ 40.6065, 0.2323,
0.2726

■ 45.1023, 0.2458,
0.2847

■ 50.1227, 0.2602,
0.2962

■ 55.6926, 0.2754,
0.3068

■ 61.8348, 0.2908,
0.3166

■ 68.5708, 0.3063,
0.3255

■ 75.9208, 0.3215,
0.3335

Harmonies

Analogous

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



29.9784, 0.1943, 0.2698



29.9784, 0.2019, 0.2343



29.9784, 0.2352, 0.2247

Triad

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



29.9784, 0.2019, 0.2343



29.9784, 0.4207, 0.3143



29.9784, 0.3219, 0.4476

Complementary

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



29.9784, 0.2019, 0.2343



23.8452, 0.5469, 0.3828

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.



29.9784, 0.3857, 0.4484



29.9784, 0.2019, 0.2343



29.9784, 0.4475, 0.3652

Square

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



29.9784, 0.2019, 0.2343



29.9784, 0.3607, 0.2694



29.9784, 0.4328, 0.4142



29.9784, 0.2590, 0.4012

Rectangle

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



29.9784, 0.2019, 0.2343



29.9784, 0.2705, 0.2310



29.9784, 0.4328, 0.4142



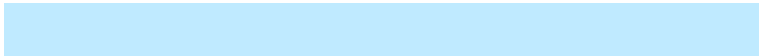
29.9784, 0.3440, 0.4529

Sweetspot

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



29.9794, 0.2019, 0.2343



76.9827, 0.2738, 0.3058



52.3967, 0.2824, 0.5207



15.8743, 0.2684, 0.3021



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.



29.9794, 0.2019, 0.2343



35.8392, 0.1926, 0.2133



9.3778, 0.1659, 0.1002



14.0571, 0.2982, 0.3210



15.3772, 0.1934, 0.2162



1.1524, 0.1991, 0.2368

Inverse Universe

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



18.8751, 0.4066, 0.2115



24.1491, 0.4305, 0.2145



51.7898, 0.4413, 0.4757



13.1969, 0.3189, 0.3136



10.1761, 0.4273, 0.2128



0.6750, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 29.9784, 0.2019, 0.2343 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9784, 0.2019, 0.2343 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

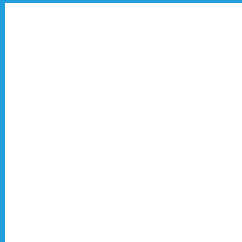
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9784, 0.2019, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 29.9784, 0.2019, 0.2343.

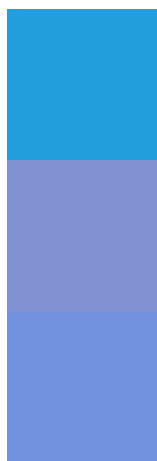


This preview shows how white text looks on a background with the Yxy color 29.9784, 0.2019, 0.2343.

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

29.9784, 0.2019, 0.2343

Protanopia

29.8001, 0.2451, 0.2370

Deuteranopia

29.7059, 0.2277, 0.2213



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.9784, 0.2019, 0.2343

Protanomaly

29.0474, 0.2222, 0.2334

Deuteranomaly

29.3384, 0.2143, 0.2246

Tritanomaly

29.7765, 0.2113, 0.2770

Monochromacy



Original Color

29.9784, 0.2019, 0.2343

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.4181, 0.2508, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9784, 0.2019, 0.2343 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(35, 158, 220)` looks like.

```
.text, #text, p{  
    color:rgb(35, 158, 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(35, 158, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 158, 220) }
```

Border

The CSS property to change the border of an element to Yxy 29.9784, 0.2019, 0.2343 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(35, 158, 220) }
```

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

```
.border{ border-color:rgb(35, 158, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 158, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 158, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 158, 220);  
box-shadow:4px 4px 4px 4px rgb(35, 158,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9784, 0.2019, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 158, 220) }
```

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

```
.background{ background-color: rgb(35, 158,  
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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