

Converting Colors

$Yxy(24.3373, 0.1992, 0.2168)$

Have a look what the booklet for
Yxy(24.3373, 0.1992, 0.2168)
contains.

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Color

Yxy(24.3168, 0.1991, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	2B8DD4
RGB	43, 141, 212
RGB Percent	17%, 55%, 83%
CMY	0.8315, 0.4470, 0.1686
CMYK	0.80, 0.33, 0.00, 0.17
HSL	205°, 66%, 50%
HSV	205°, 80%, 83%
XYZ	22.4039, 24.3168, 65.8050
YIQ	119.7920, -81.1990, 1.3050

Conversions

Conversions Part 2

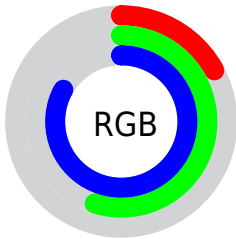
Format	Color
R_{YB}	43, 105, 212
Decimal	2854356
CIE _{Lab}	56.40, -3.22, -44.26
CIE _{LCh}	56, 44.378, 265.836
Yxy	24.3168, 0.1991, 0.2161
Android (android.graphics.Color)	4281044436 (0xFF2B8DD4)
YUV	119.7920, 45.4585, -67.3466
Hunter-Lab	49.3121, -5.1985, -44.6017

Details

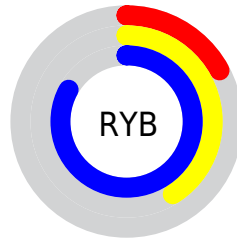
The Yxy color **24.3168, 0.1991, 0.2161** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.1991, 0.5140, 0.4008**, and the grayscale version is **18.5814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4484, 0.2270, 0.2527**, and **9.9165, 0.1853, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **21.4512, 0.1909, 0.2000**, and if you desaturate by 10%, it is **27.6330, 0.2095, 0.2325**.

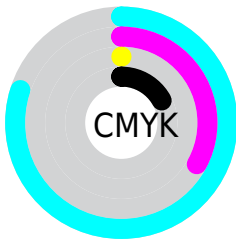
Distribution



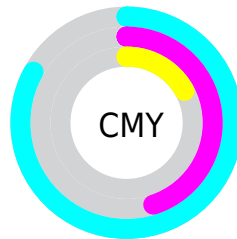
- Red (17%)
- Green (55%)
- Blue (83%)



- Red (17%)
- Yellow (41%)
- Blue (83%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (83%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3168, 0.1991, 0.2161 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 24.3168, 0.1991, 0.2161 by changing the saturation by 10% instead.

■ 24.3168, 0.1991,
0.2161

■ 24.3168, 0.1991,
0.2161

■ 274.4182, 0.2583,
0.2756

■ 15.5688, 0.1842,
0.2009

■ 50.5467, 0.2209,
0.2381

■ 9.2195, 0.1652,
0.1814

■ 68.7973, 0.2290,
0.2463

■ 4.8847, 0.1407,
0.1561

■ 90.9843, 0.2359,
0.2532

■ 2.1797, 0.1087,
0.1226

■ 117.4921, 0.2417,
0.2590

■ 0.7089, 0.0657,
0.0783

■ 148.7049, 0.2467,
0.2640

■ 0.0000, 0.0000,
0.0000

185.0073, 0.2511,

0.2684

226.7836, 0.2549,
0.2722

■ 24.3168, 0.1991,
0.2161

■ 24.3168, 0.1991,
0.2161

■ 21.4512, 0.1909,
0.2000

■ 27.6330, 0.2095,
0.2325

■ 18.9717, 0.1846,
0.1843

■ 31.4345, 0.2218,
0.2488

■ 18.9097, 0.1844,
0.1839

■ 35.7542, 0.2357,
0.2646

■ 40.6206, 0.2506,
0.2797

■ 46.0596, 0.2662,
0.2938

■ 52.0952, 0.2820,
0.3068

■ 58.7496, 0.2977,
0.3186

■ 66.0440, 0.3131,
0.3293

■ 73.9982, 0.3280,
0.3388

Harmonies

Analogous

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



24.3168, 0.1806, 0.2439



24.3168, 0.1991, 0.2161



24.3168, 0.2452, 0.2154

Triad

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



24.3168, 0.1991, 0.2161



24.3168, 0.4515, 0.3310



24.3168, 0.2953, 0.4523

Complementary

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



24.3168, 0.1991, 0.2161



26.1991, 0.5140, 0.4008

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.



24.3168, 0.3688, 0.4702



24.3168, 0.1991, 0.2161



24.3168, 0.4639, 0.3876

Square

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



24.3168, 0.1991, 0.2161



24.3168, 0.3941, 0.2785



24.3168, 0.4312, 0.4399



24.3168, 0.2304, 0.3835

Rectangle

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



24.3168, 0.1991, 0.2161



24.3168, 0.2900, 0.2280



24.3168, 0.4312, 0.4399



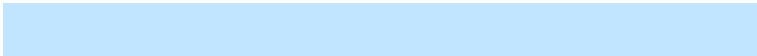
24.3168, 0.3198, 0.4647

Sweetspot

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



24.3176, 0.1991, 0.2161



74.8646, 0.2749, 0.3011



48.8050, 0.2753, 0.4878



15.3271, 0.2692, 0.2963



0.0000, 0.0000, 0.0000



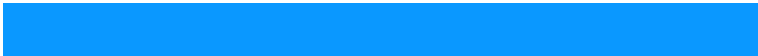
21.4041, 0.3127, 0.3290

Same Dimension

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



24.3176, 0.1991, 0.2161



29.8001, 0.1862, 0.1886



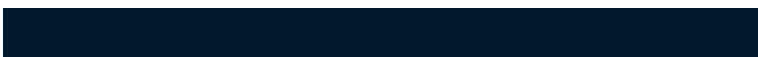
8.1976, 0.1675, 0.0957



13.1931, 0.2982, 0.3190



11.8751, 0.1850, 0.1861



0.8783, 0.1926, 0.2133

Inverse Universe

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



17.6464, 0.4244, 0.2281



23.7543, 0.4581, 0.2314



54.5244, 0.4243, 0.4843



12.5404, 0.3201, 0.3156



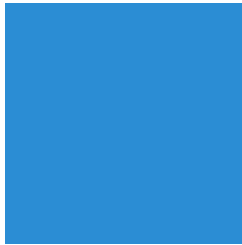
9.5436, 0.4613, 0.2315



0.5920, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 24.3168, 0.1991, 0.2161 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 24.3168, 0.1991, 0.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

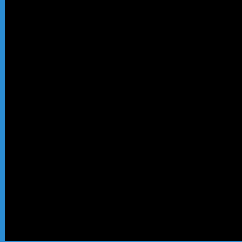
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

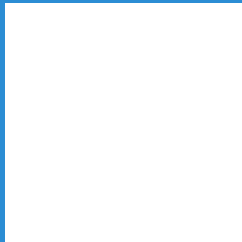
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3168, 0.1991, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 24.3168, 0.1991, 0.2161.



This preview shows how white text looks on a background with the Yxy color 24.3168, 0.1991, 0.2161.

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

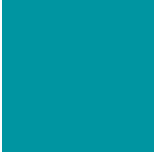
24.3168, 0.1991, 0.2161

Protanopia

24.1134, 0.2314, 0.2192

Deuteranopia

24.3566, 0.2150, 0.2093



Tritanopia

24.0681, 0.2183, 0.3058

Trichromacy



Original Color

24.3168, 0.1991, 0.2161

Protanomaly

23.7642, 0.2156, 0.2164

Deuteranomaly

24.1119, 0.2076, 0.2112

Tritanomaly

23.9632, 0.2093, 0.2677

Monochromacy



Original Color

24.3168, 0.1991, 0.2161

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.0136, 0.2520, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3168, 0.1991, 0.2161 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(43, 141, 212)` looks like.

```
.text, #text, p{  
    color:rgb(43, 141, 212)  
}
```

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(43, 141, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 141, 212) }
```

Border

The CSS property to change the border of an element to Yxy 24.3168, 0.1991, 0.2161 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(43, 141, 212) }
```

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

```
.border{ border-color:rgb(43, 141, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 141, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 141, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 141, 212);  
box-shadow:4px 4px 4px 4px rgb(43, 141,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3168, 0.1991, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 141, 212) }
```

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

```
.background{ background-color: rgb(43, 141,  
212) }
```

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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