

Converting Colors

$Yxy(24.2616, 0.1982, 0.2141)$

Have a look what the booklet for
Yxy(24.2616, 0.1982, 0.2141)
contains.

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Color

Yxy(24.3461, 0.1985, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	2A8DD5
RGB	42, 141, 213
RGB Percent	16%, 55%, 84%
CMY	0.8353, 0.4470, 0.1648
CMYK	0.80, 0.34, 0.00, 0.16
HSL	205°, 67%, 50%
HSV	205°, 80%, 84%
XYZ	22.4881, 24.3461, 66.4561
YIQ	119.6070, -82.1160, 1.4040

Conversions

Conversions Part 2

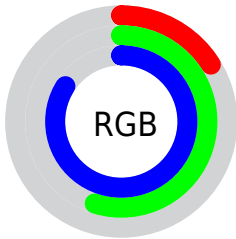
Format	Color
R _Y B	42, 105, 213
Decimal	2788821
CIE Lab	56.43, -2.96, -44.77
CIE LCh	56, 44.864, 266.216
Yxy	24.3461, 0.1985, 0.2149
Android (android.graphics.Color)	4280978901 (0xFF2A8DD5)
YUV	119.6070, 46.0427, -68.0613
Hunter-Lab	49.3418, -4.9944, -45.3157

Details

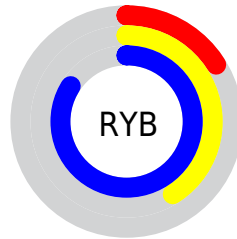
The Yxy color **24.3461, 0.1985, 0.2149** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.3419, 0.5155, 0.4009**, and the grayscale version is **18.5212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3810, 0.2265, 0.2526**, and **9.9508, 0.1849, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **21.4726, 0.1904, 0.1987**, and if you desaturate by 10%, it is **27.6736, 0.2088, 0.2313**.

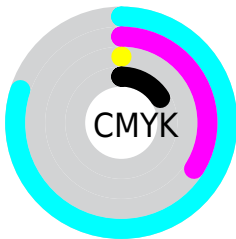
Distribution



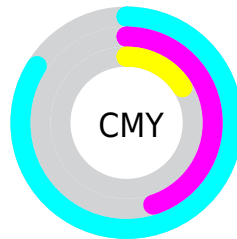
- Red (16%)
- Green (55%)
- Blue (84%)



- Red (16%)
- Yellow (41%)
- Blue (84%)



- Cyan (80%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3461, 0.1985, 0.2149 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 24.3461, 0.1985, 0.2149 by changing the saturation by 10% instead.

■ 24.3461, 0.1985,
0.2149

■ 24.3461, 0.1985,
0.2149

■ 274.5656, 0.2580,
0.2749

■ 15.5906, 0.1835,
0.1996

■ 50.5944, 0.2204,
0.2371

■ 9.2349, 0.1645,
0.1801

■ 68.8559, 0.2285,
0.2453

■ 4.8947, 0.1400,
0.1547

■ 91.0549, 0.2354,
0.2523

■ 2.1856, 0.1081,
0.1212

■ 117.5758, 0.2413,
0.2582

■ 0.7121, 0.0655,
0.0772

■ 148.8029, 0.2463,
0.2632

■ 0.0000, 0.0000,
0.0000

185.1206, 0.2507,

0.2677

226.9134, 0.2546,
0.2715

■ 24.3461, 0.1985,
0.2149

■ 24.3461, 0.1985,
0.2149

■ 21.4726, 0.1904,
0.1987

■ 27.6736, 0.2088,
0.2313

■ 19.0500, 0.1843,
0.1835

■ 31.4907, 0.2211,
0.2477

■ 35.8310, 0.2349,
0.2636

■ 40.7235, 0.2498,
0.2788

■ 46.1944, 0.2653,
0.2930

■ 52.2683, 0.2811,
0.3061

■ 58.9677, 0.2969,
0.3180

■ 66.3140, 0.3123,
0.3287

■ 74.3275, 0.3272,
0.3383

Harmonies

Analogous

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



24.3461, 0.1795, 0.2424



24.3461, 0.1985, 0.2149



24.3461, 0.2453, 0.2146

Triad

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



24.3461, 0.1985, 0.2149



24.3461, 0.4534, 0.3316



24.3461, 0.2941, 0.4531

Complementary

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



24.3461, 0.1985, 0.2149



26.3419, 0.5155, 0.4009

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.



24.3461, 0.3683, 0.4718



24.3461, 0.1985, 0.2149



24.3461, 0.4653, 0.3887

Square

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



24.3461, 0.1985, 0.2149



24.3461, 0.3959, 0.2786



24.3461, 0.4316, 0.4415



24.3461, 0.2288, 0.3830

Rectangle

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



24.3461, 0.1985, 0.2149



24.3461, 0.2906, 0.2274



24.3461, 0.4316, 0.4415



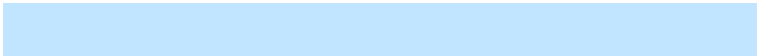
24.3461, 0.3188, 0.4659

Sweetspot

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



24.3469, 0.1985, 0.2149



74.8322, 0.2748, 0.3010



49.2723, 0.2753, 0.4890



15.3193, 0.2692, 0.2963



0.0000, 0.0000, 0.0000



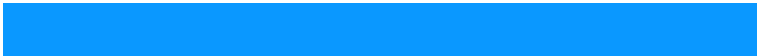
21.4041, 0.3127, 0.3290

Same Dimension

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



24.3469, 0.1985, 0.2149



29.7242, 0.1862, 0.1882



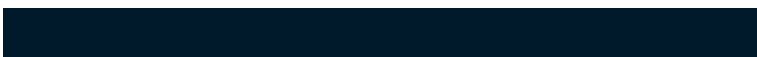
8.1481, 0.1668, 0.0944



13.1910, 0.2982, 0.3189



11.8442, 0.1850, 0.1858



0.8766, 0.1925, 0.2130

Inverse Universe

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



17.7234, 0.4258, 0.2282



23.7466, 0.4585, 0.2316



55.0381, 0.4247, 0.4848



12.5402, 0.3202, 0.3156



9.5405, 0.4617, 0.2317



0.5918, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 24.3461, 0.1985, 0.2149 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 24.3461, 0.1985, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

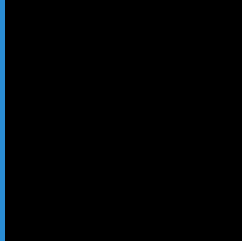
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

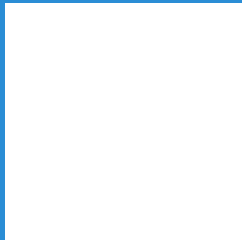
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3461, 0.1985, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 24.3461, 0.1985, 0.2149.



This preview shows how white text looks on a background with the Yxy color 24.3461, 0.1985, 0.2149.

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

24.3461, 0.1985, 0.2149

Protanopia

24.0985, 0.2301, 0.2178

Deuteranopia

24.3581, 0.2140, 0.2080



Tritanopia

24.0681, 0.2183, 0.3058

Trichromacy



Original Color

24.3461, 0.1985, 0.2149

Protanomaly

23.7668, 0.2146, 0.2151

Deuteranomaly

24.1241, 0.2067, 0.2100

Tritanomaly

23.9546, 0.2091, 0.2677

Monochromacy



Original Color

24.3461, 0.1985, 0.2149

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.0467, 0.2512, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3461, 0.1985, 0.2149 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(42, 141, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 141, 213)  
}
```

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(42, 141, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 141, 213) }
```

Border

The CSS property to change the border of an element to Yxy 24.3461, 0.1985, 0.2149 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(42, 141, 213) }
```

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

```
.border{ border-color:rgb(42, 141, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 141, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 141, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 141, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 141,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3461, 0.1985, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 141, 213) }
```

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

```
.background{ background-color: rgb(42, 141,  
213) }
```

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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