

Converting Colors

$Y_{xy}(21.4959, 0.1967, 0.2096)$

Have a look what the booklet for
Yxy(21.4959, 0.1967, 0.2096)
contains.

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Color

Yxy(21.5949, 0.1968, 0.2103)

Conversions

Conversions Part 1

Format	Color
Hex	2685CD
RGB	38, 133, 205
RGB Percent	15%, 52%, 80%
CMY	0.8511, 0.4784, 0.1959
CMYK	0.81, 0.35, 0.00, 0.20
HSL	206°, 69%, 48%
HSV	206°, 81%, 80%
XYZ	20.2086, 21.5949, 60.8826
YIQ	112.8030, -79.7320, 2.2520

Conversions

Conversions Part 2

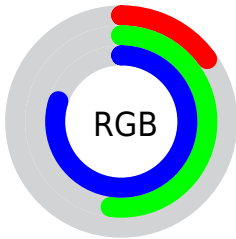
Format	Color
R _Y B	38, 99, 205
Decimal	2524621
CIE Lab	53.59, -1.55, -44.78
CIE LCh	54, 44.805, 268.017
Yxy	21.5949, 0.1968, 0.2103
Android (android.graphics.Color)	4280714701 (0xFF2685CD)
YUV	112.8030, 45.4531, -65.6022
Hunter-Lab	46.4703, -3.6984, -45.1490




Details

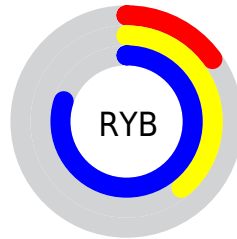
The Yxy color **21.5949, 0.1968, 0.2103** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **24.2794, 0.5162, 0.4028**, and the grayscale version is **16.3317, 0.3127, 0.3290**.




A 20% lighter version of the original color is **45.6528, 0.2226, 0.2417**, and **8.5427, 0.1836, 0.1807** is the 20% darker color. If you saturate the color by 10%, you get **18.9876, 0.1888, 0.1939**, and if you desaturate by 10%, it is **24.6217, 0.2070, 0.2271**.

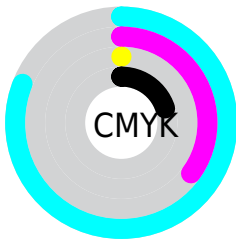
Distribution







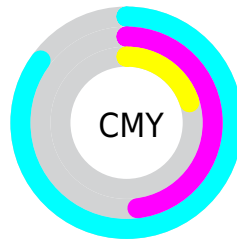
-  Red (15%)
-  Green (52%)
-  Blue (80%)






-  Red (15%)
-  Yellow (39%)
-  Blue (80%)



-  Cyan (81%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (20%)



-  Cyan (85%)
-  Magenta (48%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5949, 0.1968, 0.2103 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 21.5949, 0.1968, 0.2103 by changing the saturation by 10% instead.

■ 21.5949, 0.1968,
0.2103

■ 21.5949, 0.1968,
0.2103

■ 260.4234, 0.2582,
0.2735

■ 13.5595, 0.1810,
0.1939

■ 46.0755, 0.2196,
0.2339

■ 7.8150, 0.1608,
0.1730

■ 63.2896, 0.2281,
0.2426

■ 3.9768, 0.1346,
0.1456

■ 84.3320, 0.2352,
0.2499

■ 1.6606, 0.1004,
0.1096

■ 109.5872, 0.2412,
0.2561

■ 0.3979, 0.0464,
0.0542

■ 139.4395, 0.2464,
0.2614

■ 0.0000, 0.0000,
0.0000

174.2734, 0.2509,

0.2660

214.4732, 0.2548,
0.2700

■ 21.5949, 0.1968,
0.2103

■ 21.5949, 0.1968,
0.2103

■ 18.9876, 0.1888,
0.1939

■ 24.6217, 0.2070,
0.2271

■ 17.0438, 0.1834,
0.1803

■ 28.1017, 0.2192,
0.2439

■ 32.0660, 0.2330,
0.2602

■ 36.5418, 0.2479,
0.2758

■ 41.5535, 0.2634,
0.2905

■ 47.1240, 0.2793,
0.3040

■ 53.2743, 0.2950,
0.3163

■ 60.0243, 0.3105,
0.3275

■ 67.3928, 0.3254,
0.3374

Harmonies

Analogous

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



21.5949, 0.1756, 0.2365



21.5949, 0.1968, 0.2103



21.5949, 0.2466, 0.2117

Triad

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



21.5949, 0.1968, 0.2103



21.5949, 0.4611, 0.3346



21.5949, 0.2884, 0.4555

Complementary

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



21.5949, 0.1968, 0.2103



24.2794, 0.5162, 0.4028

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.



21.5949, 0.3652, 0.4780



21.5949, 0.1968, 0.2103



21.5949, 0.4699, 0.3934

Square

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



21.5949, 0.1968, 0.2103



21.5949, 0.4036, 0.2798



21.5949, 0.4322, 0.4477



21.5949, 0.2223, 0.3799

Rectangle

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



21.5949, 0.1968, 0.2103



21.5949, 0.2943, 0.2258



21.5949, 0.4322, 0.4477



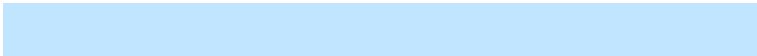
21.5949, 0.3139, 0.4700

Sweetspot

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



21.5956, 0.1968, 0.2103



74.4857, 0.2748, 0.3003



45.1651, 0.2754, 0.4912



15.2360, 0.2691, 0.2954



0.0000, 0.0000, 0.0000



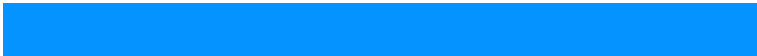
21.4041, 0.3127, 0.3290

Same Dimension

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



21.5956, 0.1968, 0.2103



28.1947, 0.1840, 0.1815



7.2682, 0.1655, 0.0922



11.8853, 0.2983, 0.3188



10.7985, 0.1841, 0.1826



0.7061, 0.1928, 0.2140

Inverse Universe

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



16.0624, 0.4309, 0.2299



23.4848, 0.4665, 0.2352



50.4353, 0.4255, 0.4856



11.3188, 0.3203, 0.3159



8.8931, 0.4655, 0.2338



0.4738, 0.4298, 0.2141

Previews

White Background



This preview shows how the Yxy color 21.5949, 0.1968, 0.2103 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 21.5949, 0.1968, 0.2103 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 21.5949, 0.1968, 0.2103

Background



This preview shows how black text looks on a background with the Yxy color 21.5949, 0.1968, 0.2103.



This preview shows how white text looks on a background with the Yxy color 21.5949, 0.1968, 0.2103.

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

21.5949, 0.1968, 0.2103

Protanopia

21.5111, 0.2272, 0.2135

Deuteranopia

21.6000, 0.2108, 0.2054



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.5949, 0.1968, 0.2103

Protanomaly

21.2751, 0.2121, 0.2108

Deuteranomaly

21.5453, 0.2043, 0.2066

Tritanomaly

21.2106, 0.2089, 0.2665

Monochromacy



Original Color

21.5949, 0.1968, 0.2103

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.4867, 0.2500, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5949, 0.1968, 0.2103 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(38, 133, 205)` looks like.

```
.text, #text, p{  
    color:rgb(38, 133, 205)  
}
```

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(38, 133, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 133, 205) }
```

Border

The CSS property to change the border of an element to Yxy 21.5949, 0.1968, 0.2103 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(38, 133, 205) }
```

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

```
.border{ border-color:rgb(38, 133, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 133, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(38, 133,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5949, 0.1968, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 133, 205) }
```

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

```
.background{ background-color: rgb(38, 133,  
205) }
```

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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