

Converting Colors

$Yxy(21.0742, 0.2043, 0.1844)$

Have a look what the booklet for
Yxy(21.0742, 0.2043, 0.1844)
contains.

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Color

Yxy(21.0742, 0.2043, 0.1844)

Conversions

Conversions Part 1

Format	Color
Hex	527BDB
RGB	82, 123, 219
RGB Percent	32%, 48%, 86%
CMY	0.6785, 0.5176, 0.1411
CMYK	0.63, 0.44, 0.00, 0.14
HSL	222°, 66%, 59%
HSV	222°, 63%, 86%
XYZ	23.3485, 21.0742, 69.8626
YIQ	121.6850, -55.2520, 21.1640

Conversions

Conversions Part 2

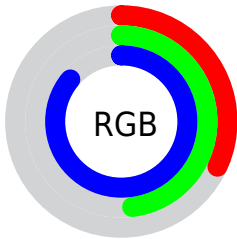
Format	Color
R _Y B	82, 114, 219
Decimal	5405659
CIE Lab	53.03, 15.60, -53.48
CIE LCh	53, 55.711, 286.259
Yxy	21.0742, 0.2043, 0.1844
Android (android.graphics.Color)	4283595739 (0xFF527BDB)
YUV	121.6850, 47.9763, -34.8037
Hunter-Lab	45.9066, 10.4499, -58.0952

Details

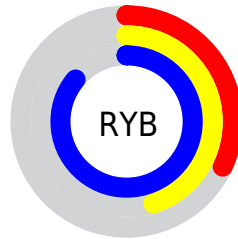
The Yxy color **21.0742, 0.2043, 0.1844** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **47.5089, 0.4286, 0.4364**, and the grayscale version is **19.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7196, 0.2364, 0.2312**, and **7.6765, 0.1740, 0.1463** is the 20% darker color. If you saturate the color by 10%, you get **16.7314, 0.1887, 0.1580**, and if you desaturate by 10%, it is **26.3283, 0.2217, 0.2113**.

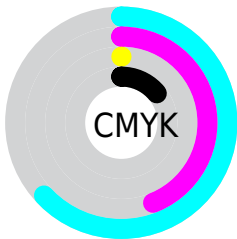
Distribution



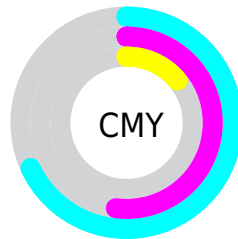
- Red (32%)
- Green (48%)
- Blue (86%)



- Red (32%)
- Yellow (45%)
- Blue (86%)



- Cyan (63%)
- Magenta (44%)
- Yellow (0%)
- Black (14%)



- Cyan (68%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0742, 0.2043, 0.1844 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 21.0742, 0.2043, 0.1844 by changing the saturation by 10% instead.

■ 21.0742, 0.2043,
0.1844

■ 21.0742, 0.2043,
0.1844

257.6726, 0.2624,
0.2581

■ 13.1783, 0.1893,
0.1666

■ 45.2110, 0.2259,
0.2109

■ 7.5514, 0.1702,
0.1446

■ 62.2206, 0.2340,
0.2210

■ 3.8093, 0.1453,
0.1172

■ 83.0369, 0.2407,
0.2296

■ 1.5675, 0.1128,
0.0834

■ 108.0443, 0.2463,
0.2369

■ 0.3355, 0.0715,
0.0343

137.6272, 0.2512,
0.2433

■ 0.0000, 0.0000,
0.0000

172.1699, 0.2554,

0.2488

212.0569, 0.2591,
0.2537

■ 21.0742, 0.2043,
0.1844

■ 21.0742, 0.2043,
0.1844

■ 16.7314, 0.1887,
0.1580

■ 26.3283, 0.2217,
0.2113

■ 13.2392, 0.1756,
0.1333

■ 32.5446, 0.2399,
0.2376

■ 10.5309, 0.1658,
0.1115

■ 39.7721, 0.2583,
0.2624

■ 8.9603, 0.1605,
0.0978

■ 48.0560, 0.2761,
0.2854

■ 57.4381, 0.2931,
0.3061

67.9583, 0.3089,
0.3246

79.6542, 0.3234,
0.3409

92.1432, 0.3352,
0.3554

97.8951, 0.3339,
0.3641

Harmonies

Analogous

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



21.0742, 0.1601, 0.1930



21.0742, 0.2043, 0.1844



21.0742, 0.2829, 0.2034

Triad

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



21.0742, 0.2043, 0.1844



21.0742, 0.5100, 0.3724



21.0742, 0.2278, 0.4376

Complementary

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



21.0742, 0.2043, 0.1844



47.5089, 0.4286, 0.4364

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.



21.0742, 0.3149, 0.5124



21.0742, 0.2043, 0.1844



21.0742, 0.4793, 0.4426

Square

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



21.0742, 0.2043, 0.1844



21.0742, 0.4765, 0.3053



21.0742, 0.4063, 0.5024



21.0742, 0.1692, 0.3226

Rectangle

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



21.0742, 0.2043, 0.1844



21.0742, 0.3508, 0.2296



21.0742, 0.4063, 0.5024



21.0742, 0.2547, 0.4711

Sweetspot

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



21.0749, 0.2043, 0.1844



72.1617, 0.2820, 0.2927



55.6728, 0.2569, 0.3883



14.6574, 0.2770, 0.2865



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.



21.0749, 0.2043, 0.1844



21.9763, 0.1843, 0.1501



14.4233, 0.2106, 0.1371



13.2494, 0.2981, 0.3121



5.4803, 0.1612, 0.1003



0.5036, 0.1703, 0.1330

Inverse Universe

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



22.5243, 0.4502, 0.2832



26.2791, 0.4974, 0.2811



62.4332, 0.3777, 0.4862



13.1154, 0.3245, 0.3220



9.1770, 0.5754, 0.2943



0.6095, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 21.0742, 0.2043, 0.1844 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 21.0742, 0.2043, 0.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

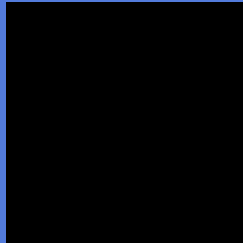
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0742, 0.2043, 0.1844

Background



This preview shows how black text looks on a background with the Yxy color 21.0742, 0.2043, 0.1844.



This preview shows how white text looks on a background with the Yxy color 21.0742, 0.2043, 0.1844.

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

21.0742, 0.2043, 0.1844

Protanopia

21.1194, 0.2048, 0.1846

Deuteranopia

21.0250, 0.1943, 0.1877



Tritanopia

20.9598, 0.2287, 0.3049

Trichromacy



Original Color

21.0742, 0.2043, 0.1844

Protanomaly

21.1194, 0.2048, 0.1846

Deuteranomaly

21.0737, 0.1975, 0.1873

Tritanomaly

20.8000, 0.2177, 0.2526

Monochromacy



Original Color

21.0742, 0.2043, 0.1844

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4792, 0.2609, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0742, 0.2043, 0.1844 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(82, 123, 219)` looks like.

```
.text, #text, p{  
    color:rgb(82, 123, 219)  
}
```

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(82, 123, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 123, 219) }
```

Border

The CSS property to change the border of an element to Yxy 21.0742, 0.2043, 0.1844 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(82, 123, 219) }
```

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

```
.border{ border-color:rgb(82, 123, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 123, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 123, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 123, 219);  
box-shadow:4px 4px 4px 4px rgb(82, 123,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0742, 0.2043, 0.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 123, 219) }
```

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

```
.background{ background-color: rgb(82, 123,  
219) }
```

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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