

Converting Colors

$Yxy(23.5696, 0.1903, 0.1883)$

Have a look what the booklet for
Yxy(23.5696, 0.1903, 0.1883)
contains.

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Color

Yxy(23.4565, 0.1904, 0.1883)

Conversions

Conversions Part 1

Format	Color
Hex	2987E5
RGB	41, 135, 229
RGB Percent	16%, 53%, 90%
CMY	0.8393, 0.4706, 0.1020
CMYK	0.82, 0.41, 0.00, 0.10
HSL	210°, 78%, 53%
HSV	210°, 82%, 90%
XYZ	23.7181, 23.4565, 77.3952
YIQ	117.6100, -86.1980, 9.3060

Conversions

Conversions Part 2

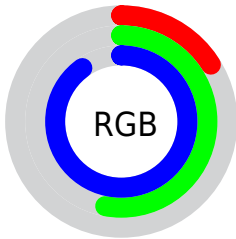
Format	Color
R _Y B	41, 104, 229
Decimal	2721765
CIE Lab	55.54, 6.43, -55.15
CIE LCh	56, 55.520, 276.648
Yxy	23.4565, 0.1904, 0.1883
Android (android.graphics.Color)	4280911845 (0xFF2987E5)
YUV	117.6100, 54.9153, -67.1870
Hunter-Lab	48.4319, 2.6593, -60.8444

Details

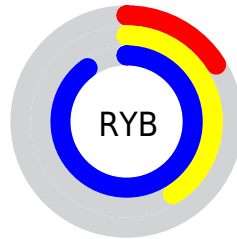
The Yxy color **23.4565, 0.1904, 0.1883** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **34.1283, 0.5045, 0.4162**, and the grayscale version is **17.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9683, 0.2262, 0.2450**, and **9.6727, 0.1771, 0.1576** is the 20% darker color. If you saturate the color by 10%, you get **20.0914, 0.1818, 0.1696**, and if you desaturate by 10%, it is **27.4397, 0.2014, 0.2078**.

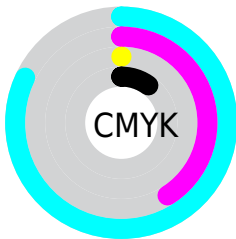
Distribution



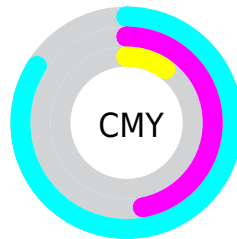
- Red (16%)
- Green (53%)
- Blue (90%)



- Red (16%)
- Yellow (41%)
- Blue (90%)



- Cyan (82%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)



- Cyan (84%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4565, 0.1904, 0.1883 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 23.4565, 0.1904, 0.1883 by changing the saturation by 10% instead.

■ 23.4565, 0.1904,
0.1883

■ 23.4565, 0.1904,
0.1883

270.0611, 0.2538,
0.2598

■ 14.9309, 0.1748,
0.1711

■ 49.1418, 0.2135,
0.2140

■ 8.7709, 0.1552,
0.1499

■ 67.0704, 0.2222,
0.2238

■ 4.5921, 0.1305,
0.1235

■ 88.9021, 0.2295,
0.2321

■ 2.0100, 0.0994,
0.0910

■ 115.0212, 0.2358,
0.2392

■ 0.6133, 0.0614,
0.0509

■ 145.8123, 0.2413,
0.2454

■ 0.0000, 0.0000,
0.0000

181.6598, 0.2460,

0.2508

222.9479, 0.2502,
0.2556

■ 23.4565, 0.1904,
0.1883

■ 23.4565, 0.1904,
0.1883

■ 20.0914, 0.1818,
0.1696

■ 27.4397, 0.2014,
0.2078

■ 17.8110, 0.1765,
0.1555

■ 32.0905, 0.2145,
0.2275

■ 37.4540, 0.2292,
0.2468

■ 43.5696, 0.2450,
0.2653

■ 50.4733, 0.2613,
0.2827

■ 58.1980, 0.2777,
0.2988

■ 66.7748, 0.2939,
0.3133

■ 76.2328, 0.3095,
0.3264

■ 86.5996, 0.3244,
0.3381

Harmonies

Analogous

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



23.4565, 0.1574, 0.2068



23.4565, 0.1904, 0.1883



23.4565, 0.2563, 0.1985

Triad

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



23.4565, 0.1904, 0.1883



23.4565, 0.4998, 0.3508



23.4565, 0.2563, 0.4637

Complementary

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



23.4565, 0.1904, 0.1883



34.1283, 0.5045, 0.4162

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.



23.4565, 0.3448, 0.5103



23.4565, 0.1904, 0.1883



23.4565, 0.4893, 0.4186

Square

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



23.4565, 0.1904, 0.1883



23.4565, 0.4469, 0.2870



23.4565, 0.4297, 0.4816



23.4565, 0.1883, 0.3579

Rectangle

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



23.4565, 0.1904, 0.1883



23.4565, 0.3173, 0.2193



23.4565, 0.4297, 0.4816



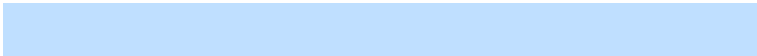
23.4565, 0.2848, 0.4885

Sweetspot

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



23.4572, 0.1904, 0.1883



71.1766, 0.2727, 0.2940



58.1631, 0.2701, 0.4748



14.4873, 0.2669, 0.2884



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.



23.4572, 0.1904, 0.1883



22.8887, 0.1769, 0.1563



7.9360, 0.1617, 0.0804



15.0723, 0.2981, 0.3169



10.4258, 0.1773, 0.1582



0.9562, 0.1846, 0.1847

Inverse Universe

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



19.9888, 0.4555, 0.2430



22.8955, 0.4977, 0.2520



71.1278, 0.4167, 0.4951



14.4876, 0.3214, 0.3173



10.2502, 0.4953, 0.2502



0.7762, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 23.4565, 0.1904, 0.1883 looks on a white background.

Color Contrast Check

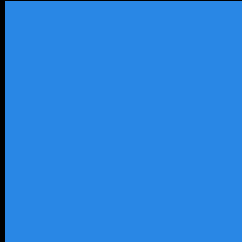
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4565, 0.1904, 0.1883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

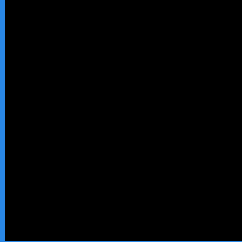
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

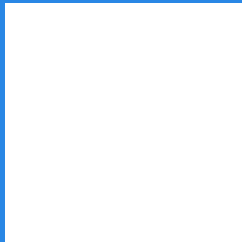
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4565, 0.1904, 0.1883

Background



This preview shows how black text looks on a background with the Yxy color 23.4565, 0.1904, 0.1883.



This preview shows how white text looks on a background with the Yxy color 23.4565, 0.1904, 0.1883.

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

23.4565, 0.1904, 0.1883

Protanopia

23.3035, 0.2100, 0.1913

Deuteranopia

23.4916, 0.1934, 0.1878



Tritanopia

23.3018, 0.2192, 0.3093

Trichromacy



Original Color

23.4565, 0.1904, 0.1883

Protanomaly

23.0853, 0.2005, 0.1893

Deuteranomaly

23.3603, 0.1920, 0.1874

Tritanomaly

23.1654, 0.2062, 0.2573

Monochromacy



Original Color

23.4565, 0.1904, 0.1883

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0576, 0.2452, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4565, 0.1904, 0.1883 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(41, 135, 229)` looks like.

```
.text, #text, p{  
    color:rgb(41, 135, 229)  
}
```

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(41, 135, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 135, 229) }
```

Border

The CSS property to change the border of an element to Yxy 23.4565, 0.1904, 0.1883 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(41, 135, 229) }
```

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

```
.border{ border-color:rgb(41, 135, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 135, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 135, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 135, 229);  
box-shadow:4px 4px 4px 4px rgb(41, 135,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4565, 0.1904, 0.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 135, 229) }
```

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

```
.background{ background-color: rgb(41, 135,  
229) }
```

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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