

Converting Colors

$Yxy(15.2687, 0.1852, 0.1549)$

Have a look what the booklet for
Yxy(15.2687, 0.1852, 0.1549)
contains.

Yxy(15.2084, 0.1853, 0.1546)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2084, 0.1853, 0.1546)

Conversions

Conversions Part 1

Format	Color
Hex	3367D5
RGB	51, 103, 213
RGB Percent	20%, 40%, 84%
CMY	0.7998, 0.5961, 0.1646
CMYK	0.76, 0.52, 0.00, 0.16
HSL	221°, 66%, 52%
HSV	221°, 76%, 84%
XYZ	18.2284, 15.2084, 64.9357
YIQ	99.9920, -66.3020, 23.1860

Conversions

Conversions Part 2

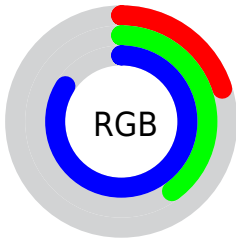
Format	Color
R_{YB}	51, 90, 213
Decimal	3368917
CIE _{Lab}	45.92, 21.45, -61.59
CIE _{LCh}	46, 65.220, 289.203
Yxy	15.2084, 0.1853, 0.1546
Android (android.graphics.Color)	4281558997 (0xFF3367D5)
YUV	99.9920, 55.7129, -42.9660
Hunter-Lab	38.9979, 15.1881, -71.4256

Details

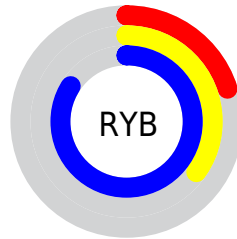
The Yxy color **15.2084, 0.1853, 0.1546** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **39.9010, 0.4564, 0.4464**, and the grayscale version is **12.6128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9955, 0.2182, 0.1995**, and **5.3606, 0.1661, 0.1180** is the 20% darker color. If you saturate the color by 10%, you get **12.1426, 0.1734, 0.1310**, and if you desaturate by 10%, it is **19.0264, 0.1999, 0.1801**.

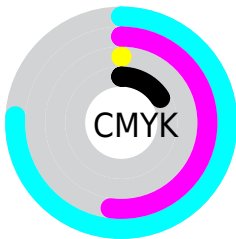
Distribution



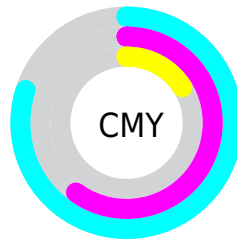
- Red (20%)
- Green (40%)
- Blue (84%)



- Red (20%)
- Yellow (35%)
- Blue (84%)



- Cyan (76%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)



- Cyan (80%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2084, 0.1853, 0.1546 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 15.2084, 0.1853, 0.1546 by changing the saturation by 10% instead.

■ 15.2084, 0.1853,
0.1546

■ 15.2084, 0.1853,
0.1546

■ 224.6242, 0.2554,
0.2440

■ 8.9658, 0.1670,
0.1335

■ 35.2184, 0.2117,
0.1866

■ 4.7189, 0.1439,
0.1081

■ 49.7545, 0.2214,
0.1988

■ 2.0833, 0.1144,
0.0779

■ 67.8239, 0.2295,
0.2093

■ 0.6552, 0.0779,
0.0431

■ 89.8110, 0.2363,
0.2182

■ 0.0000, 0.0123,
0.0000

■ 116.1002, 0.2422,
0.2260

■ 0.0000, 0.0000,
0.0000

147.0759, 0.2472,

0.2327

183.1224, 0.2516,
0.2387

■ 15.2084, 0.1853,
0.1546

■ 15.2084, 0.1853,
0.1546

■ 12.1426, 0.1734,
0.1310

■ 19.0264, 0.1999,
0.1801

■ 9.7640, 0.1648,
0.1104

■ 23.6499, 0.2165,
0.2062

■ 8.9780, 0.1620,
0.1032

■ 29.1279, 0.2342,
0.2320

■ 35.5046, 0.2524,
0.2565

■ 42.8211, 0.2702,
0.2794

■ 51.1157, 0.2874,
0.3001

■ 60.4242, 0.3035,
0.3188

■ 70.7809, 0.3185,
0.3353

■ 82.2181, 0.3323,
0.3498

Harmonies

Analogous

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



15.2084, 0.1314, 0.1591



15.2084, 0.1853, 0.1546



15.2084, 0.2843, 0.1797

Triad

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



15.2084, 0.1853, 0.1546



15.2084, 0.5591, 0.3772



15.2084, 0.1919, 0.4601

Complementary

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



15.2084, 0.1853, 0.1546



39.9010, 0.4564, 0.4464

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.



15.2084, 0.2939, 0.5712



15.2084, 0.1853, 0.1546



15.2084, 0.5040, 0.4637

Square

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



15.2084, 0.1853, 0.1546



15.2084, 0.5325, 0.3005



15.2084, 0.4058, 0.5490



15.2084, 0.1304, 0.3013

Rectangle

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



15.2084, 0.1853, 0.1546



15.2084, 0.3730, 0.2117



15.2084, 0.4058, 0.5490



15.2084, 0.2228, 0.5104

Sweetspot

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



15.2088, 0.1853, 0.1546



67.6855, 0.2751, 0.2854



50.8055, 0.2551, 0.4124



13.5607, 0.2687, 0.2775



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.



15.2088, 0.1853, 0.1546



16.0204, 0.1679, 0.1185



8.7977, 0.1838, 0.0989



12.6525, 0.2982, 0.3127



5.6476, 0.1627, 0.1057



0.4885, 0.1725, 0.1408

Inverse Universe

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



17.4991, 0.4922, 0.2771



22.7409, 0.5469, 0.2844



58.2775, 0.3884, 0.5069



12.4858, 0.3241, 0.3215



8.9150, 0.5673, 0.2899



0.5526, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 15.2084, 0.1853, 0.1546 looks on a white 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

Black Background



This preview shows how the Yxy color 15.2084, 0.1853, 0.1546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

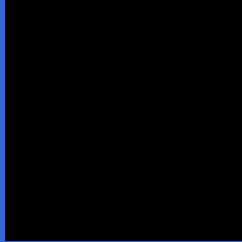
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2084, 0.1853, 0.1546

Background



This preview shows how black text looks on a background with the Yxy color 15.2084, 0.1853, 0.1546.



This preview shows how white text looks on a background with the Yxy color 15.2084, 0.1853, 0.1546.

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

15.2084, 0.1853, 0.1546

Protanopia

15.1307, 0.1808, 0.1535

Deuteranopia

15.1747, 0.1845, 0.1842



Tritanopia

15.0179, 0.2188, 0.3077

Trichromacy



Original Color

15.2084, 0.1853, 0.1546

Protanomaly

15.2271, 0.1821, 0.1541

Deuteranomaly

15.0337, 0.1829, 0.1712

Tritanomaly

14.7111, 0.2012, 0.2344

Monochromacy



Original Color

15.2084, 0.1853, 0.1546

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0243, 0.2442, 0.2458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2084, 0.1853, 0.1546 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(51, 103, 213)` looks like.

```
.text, #text, p{  
    color:rgb(51, 103, 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(51, 103, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 103, 213) }
```

Border

The CSS property to change the border of an element to Yxy 15.2084, 0.1853, 0.1546 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(51, 103, 213) }
```

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

```
.border{ border-color:rgb(51, 103, 213) }
```

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

Here you see how a box with a 4 pixel rgb(51, 103, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 103, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 103, 213);  
box-shadow:4px 4px 4px 4px rgb(51, 103,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2084, 0.1853, 0.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 103, 213) }
```

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

```
.background{ background-color: rgb(51, 103,  
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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