

Converting Colors

$Yxy(18.4187, 0.1836, 0.1619)$

Have a look what the booklet for
Yxy(18.4187, 0.1836, 0.1619)
contains.

Yxy(18.4532, 0.1836, 0.1622)	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(18.4532, 0.1836, 0.1622)

Conversions

Conversions Part 1

Format	Color
Hex	2974E2
RGB	41, 116, 226
RGB Percent	16%, 45%, 89%
CMY	0.8394, 0.5451, 0.1136
CMYK	0.82, 0.49, 0.00, 0.11
HSL	216°, 76%, 52%
HSV	216°, 82%, 89%
XYZ	20.8878, 18.4532, 74.4271
YIQ	106.1150, -80.0100, 18.3100

Conversions

Conversions Part 2

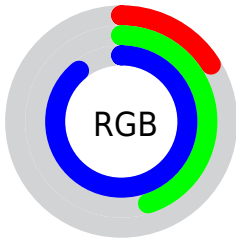
Format	Color
R _Y B	41, 94, 226
Decimal	2716898
CIE Lab	50.04, 17.07, -62.31
CIE LCh	50, 64.611, 285.321
Yxy	18.4532, 0.1836, 0.1622
Android (android.graphics.Color)	4280906978 (0xFF2974E2)
YUV	106.1150, 59.1033, -57.1059
Hunter-Lab	42.9572, 11.6202, -72.6552

Details

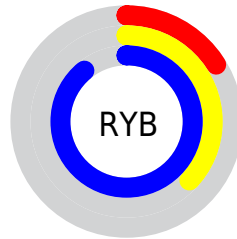
The Yxy color **18.4532, 0.1836, 0.1622** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.4588, 0.4837, 0.4343**, and the grayscale version is **14.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6393, 0.2204, 0.2173**, and **7.1585, 0.1692, 0.1291** is the 20% darker color. If you saturate the color by 10%, you get **15.2381, 0.1741, 0.1412**, and if you desaturate by 10%, it is **22.3836, 0.1958, 0.1848**.

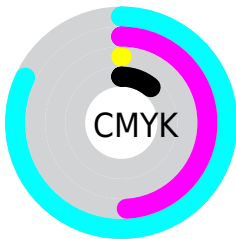
Distribution



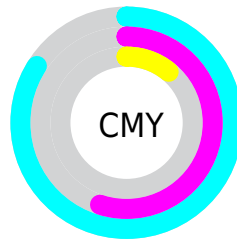
- Red (16%)
- Green (45%)
- Blue (89%)



- Red (16%)
- Yellow (37%)
- Blue (89%)



- Cyan (82%)
- Magenta (49%)
- Yellow (0%)
- Black (11%)



- Cyan (84%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4532, 0.1836, 0.1622 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 18.4532, 0.1836, 0.1622 by changing the saturation by 10% instead.

■ 18.4532, 0.1836,
0.1622

■ 18.4532, 0.1836,
0.1622

■ 243.4132, 0.2525,
0.2464

■ 11.2758, 0.1663,
0.1426

■ 40.8081, 0.2090,
0.1921

■ 6.2527, 0.1448,
0.1189

■ 56.7544, 0.2185,
0.2036

■ 2.9993, 0.1176,
0.0905

■ 76.3924, 0.2264,
0.2134

■ 1.1314, 0.0841,
0.0579

■ 100.1067, 0.2332,
0.2219

■ 0.0046, 0.0407,
0.0004

■ 128.2815, 0.2391,
0.2292

■ 0.0000, 0.0000,
0.0000

161.3013, 0.2441,

0.2357

199.5504, 0.2485,
0.2413

■ 18.4532, 0.1836,
0.1622

■ 18.4532, 0.1836,
0.1622

■ 15.2381, 0.1741,
0.1412

■ 22.3836, 0.1958,
0.1848

■ 13.0859, 0.1682,
0.1256

■ 27.0858, 0.2103,
0.2080

■ 32.6104, 0.2264,
0.2311

■ 39.0024, 0.2434,
0.2533

■ 46.3032, 0.2606,
0.2741

■ 54.5509, 0.2777,
0.2933

■ 63.7813, 0.2942,
0.3107

■ 74.0282, 0.3099,
0.3263

■ 85.3237, 0.3246,
0.3401

Harmonies

Analogous

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



18.4532, 0.1362, 0.1712



18.4532, 0.1836, 0.1622



18.4532, 0.2722, 0.1828

Triad

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



18.4532, 0.1836, 0.1622



18.4532, 0.5462, 0.3686



18.4532, 0.2116, 0.4683

Complementary

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



18.4532, 0.1836, 0.1622



38.4588, 0.4837, 0.4343

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.



18.4532, 0.3119, 0.5565



18.4532, 0.1836, 0.1622



18.4532, 0.5054, 0.4496

Square

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



18.4532, 0.1836, 0.1622



18.4532, 0.5077, 0.2950



18.4532, 0.4176, 0.5289



18.4532, 0.1457, 0.3217

Rectangle

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



18.4532, 0.1836, 0.1622



18.4532, 0.3528, 0.2115



18.4532, 0.4176, 0.5289



18.4532, 0.2426, 0.5104

Sweetspot

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



18.4537, 0.1836, 0.1622



68.0062, 0.2721, 0.2872



57.0419, 0.2615, 0.4449



13.7360, 0.2661, 0.2804



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.



18.4537, 0.1836, 0.1622



17.6504, 0.1692, 0.1281



7.9270, 0.1672, 0.0819



14.1512, 0.2981, 0.3147



7.6833, 0.1690, 0.1285



0.7050, 0.1775, 0.1591

Inverse Universe

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



19.0162, 0.4860, 0.2617



22.4203, 0.5349, 0.2731



68.3538, 0.4022, 0.5058



13.7922, 0.3229, 0.3195



9.6837, 0.5347, 0.2719



0.6886, 0.4943, 0.2496

Previews

White Background



This preview shows how the Yxy color 18.4532, 0.1836, 0.1622 looks on a white background.

Color Contrast Check

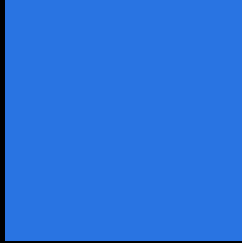
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4532, 0.1836, 0.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

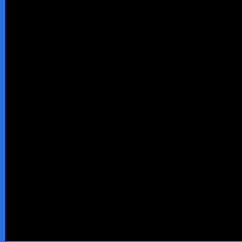
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

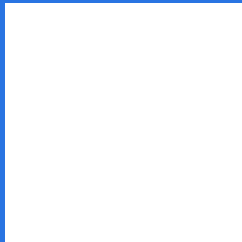
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4532, 0.1836, 0.1622

Background



This preview shows how black text looks on a background with the Yxy color 18.4532, 0.1836, 0.1622.



This preview shows how white text looks on a background with the Yxy color 18.4532, 0.1836, 0.1622.

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

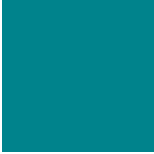
18.4532, 0.1836, 0.1622

Protanopia

18.5131, 0.1887, 0.1642

Deuteranopia

18.3779, 0.1838, 0.1817



Tritanopia

18.1260, 0.2193, 0.3093

Trichromacy



Original Color

18.4532, 0.1836, 0.1622

Protanomaly

18.4015, 0.1863, 0.1626

Deuteranomaly

18.2531, 0.1829, 0.1740

Tritanomaly

17.9635, 0.2023, 0.2422

Monochromacy



Original Color

18.4532, 0.1836, 0.1622

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1477, 0.2398, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4532, 0.1836, 0.1622 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, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(41, 116, 226)  
}
```

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, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 116, 226) }
```

Border

The CSS property to change the border of an element to Yxy 18.4532, 0.1836, 0.1622 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, 116, 226) }
```

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

```
.border{ border-color:rgb(41, 116, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(41, 116,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4532, 0.1836, 0.1622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 116, 226) }
```

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

```
.background{ background-color: rgb(41, 116,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor