

Converting Colors

$Y_{xy}(23.1398, 0.1881, 0.1556)$

Have a look what the booklet for
Yxy(23.1398, 0.1881, 0.1556)
contains.

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Color

Yxy(23.2649, 0.1884, 0.1562)

Conversions

Conversions Part 1

Format	Color
Hex	487DFF
RGB	72, 125, 255
RGB Percent	28%, 49%, 100%
CMY	0.7172, 0.5099, 0.0000
CMYK	0.72, 0.51, 0.00, 0.00
HSL	223°, 100%, 64%
HSV	223°, 72%, 100%
XYZ	28.0609, 23.2649, 97.6173
YIQ	123.9730, -73.3180, 29.1940

Conversions

Conversions Part 2

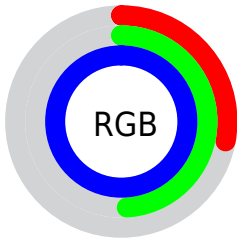
Format	Color
R _Y B	72, 113, 255
Decimal	4750847
CIE Lab	55.34, 25.42, -69.84
CIE LCh	55, 74.323, 289.996
Yxy	23.2649, 0.1884, 0.1562
Android (android.graphics.Color)	4282940927 (0xFF487DFF)
YUV	123.9730, 64.5963, -45.5803
Hunter-Lab	48.2337, 19.4368, -86.2298

Details

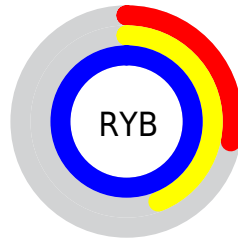
The Yxy color **23.2649, 0.1884, 0.1562** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **64.0244, 0.4453, 0.4485**, and the grayscale version is **19.9542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3270, 0.2357, 0.2334**, and **9.3390, 0.1675, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **18.3011, 0.1751, 0.1311**, and if you desaturate by 10%, it is **29.4737, 0.2043, 0.1832**.

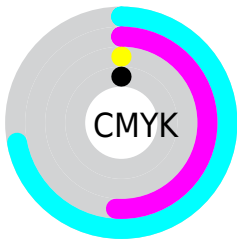
Distribution



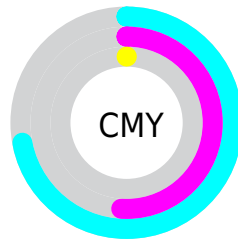
- Red (28%)
- Green (49%)
- Blue (100%)



- Red (28%)
- Yellow (44%)
- Blue (100%)



- Cyan (72%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2649, 0.1884, 0.1562 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 23.2649, 0.1884, 0.1562 by changing the saturation by 10% instead.


 23.2649, 0.1884,
0.1562


 23.2649, 0.1884,
0.1562


269.0827, 0.2526,
0.2386

 14.7892, 0.1730,
0.1382


 48.8279, 0.2115,
0.1845


 8.6716, 0.1540,
0.1169

 66.6841, 0.2203,
0.1956

 4.5276, 0.1305,
0.0920


 88.4358, 0.2278,
0.2053

 1.9729, 0.1015,
0.0637

 114.4676, 0.2342,
0.2137

 0.5916, 0.0672,
0.0323

145.1638, 0.2397,
0.2211

 0.0000, 0.0132,
0.0000

180.9088, 0.2446,

 0.0000, 0.0000,

0.2276

0.0000

222.0869, 0.2488,
0.2334

■ 23.2649, 0.1884,
0.1562

■ 23.2649, 0.1884,
0.1562

■ 18.3011, 0.1751,
0.1311

■ 29.4737, 0.2043,
0.1832

■ 14.4809, 0.1652,
0.1092

■ 37.0124, 0.2220,
0.2106

■ 12.0816, 0.1595,
0.0941

■ 45.9598, 0.2406,
0.2375

■ 56.3877, 0.2592,
0.2628

■ 68.3623, 0.2772,
0.2862

■ 81.9460, 0.2943,
0.3072

■ 97.1973, 0.3101,
0.3260

■ 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



23.2649, 0.1336, 0.1599



23.2649, 0.1884, 0.1562



23.2649, 0.2879, 0.1819

Triad

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



23.2649, 0.1884, 0.1562



23.2649, 0.5564, 0.3796



23.2649, 0.1910, 0.4543

Complementary

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



23.2649, 0.1884, 0.1562



64.0244, 0.4453, 0.4485

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.



23.2649, 0.2916, 0.5671



23.2649, 0.1884, 0.1562



23.2649, 0.5007, 0.4656

Square

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



23.2649, 0.1884, 0.1562



23.2649, 0.5322, 0.3030



23.2649, 0.4028, 0.5490



23.2649, 0.1309, 0.2984

Rectangle

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



23.2649, 0.1884, 0.1562



23.2649, 0.3761, 0.2142



23.2649, 0.4028, 0.5490



23.2649, 0.2214, 0.5044

Sweetspot

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



23.2655, 0.1884, 0.1562



68.0109, 0.2767, 0.2855



77.0768, 0.2533, 0.3994



13.8312, 0.2719, 0.2794



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.



23.2655, 0.1884, 0.1562



16.5340, 0.1704, 0.1213



15.0993, 0.1933, 0.1095



18.2332, 0.2979, 0.3116



6.5334, 0.1602, 0.0968



0.8141, 0.1663, 0.1186

Inverse Universe

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



27.3883, 0.4880, 0.2828



23.4066, 0.5410, 0.2870



86.9583, 0.3827, 0.5044



18.0735, 0.3249, 0.3221



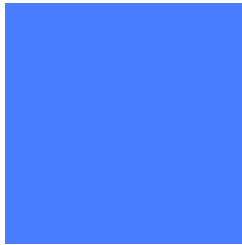
11.3875, 0.5807, 0.2972



1.1267, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 23.2649, 0.1884, 0.1562 looks on a white background.

Color Contrast Check

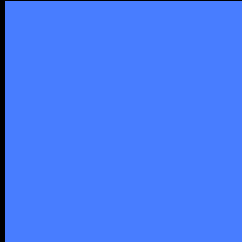
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2649, 0.1884, 0.1562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

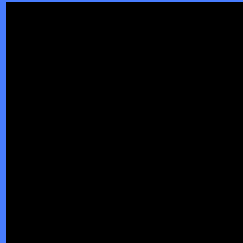
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2649, 0.1884, 0.1562

Background



This preview shows how black text looks on a background with the Yxy color 23.2649, 0.1884, 0.1562.



This preview shows how white text looks on a background with the Yxy color 23.2649, 0.1884, 0.1562.

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

23.2649, 0.1884, 0.1562

Protanopia

23.2395, 0.1841, 0.1568

Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

23.2649, 0.1884, 0.1562

Protanomaly

23.1658, 0.1854, 0.1562

Tritanomaly

22.2468, 0.2012, 0.2339

Monochromacy



Original Color

23.2649, 0.1884, 0.1562

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3971, 0.2474, 0.2464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2649, 0.1884, 0.1562 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(72, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 125, 255)  
}
```

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(72, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.2649, 0.1884, 0.1562 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(72, 125, 255) }
```

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

```
.border{ border-color:rgb(72, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 125,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 23.2649, 0.1884, 0.1562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 125, 255) }
```

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

```
.background{ background-color: rgb(72, 125,  
255) }
```

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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