

Converting Colors

$Yxy(24.1501, 0.1870, 0.1621)$

Have a look what the booklet for
Yxy(24.1501, 0.1870, 0.1621)
contains.

Yxy(24.1452, 0.1870, 0.1621)	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(24.1452, 0.1870, 0.1621)

Conversions

Conversions Part 1

Format	Color
Hex	3E82FE
RGB	62, 130, 254
RGB Percent	24%, 51%, 100%
CMY	0.7571, 0.4901, 0.0039
CMYK	0.76, 0.49, 0.00, 0.00
HSL	219°, 99%, 62%
HSV	219°, 76%, 100%
XYZ	27.8541, 24.1452, 96.9532
YIQ	123.8040, -80.3320, 24.1480

Conversions

Conversions Part 2

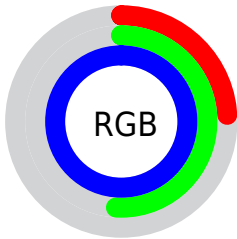
Format	Color
R _{YB}	62, 112, 254
Decimal	4096766
CIE Lab	56.23, 20.77, -67.87
CIE LCh	56, 70.977, 287.011
Yxy	24.1452, 0.1870, 0.1621
Android (android.graphics.Color)	4282286846 (0xFF3E82FE)
YUV	123.8040, 64.1866, -54.2021
Hunter-Lab	49.1378, 15.1930, -82.5880

Details

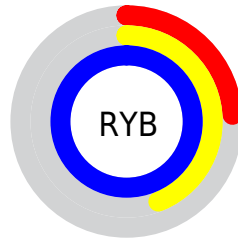
The Yxy color **24.1452, 0.1870, 0.1621** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **56.4996, 0.4627, 0.4410**, and the grayscale version is **19.8857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7442, 0.2330, 0.2389**, and **10.0201, 0.1697, 0.1310** is the 20% darker color. If you saturate the color by 10%, you get **19.4883, 0.1754, 0.1389**, and if you desaturate by 10%, it is **29.8817, 0.2013, 0.1869**.

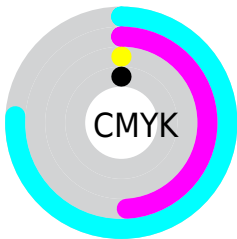
Distribution



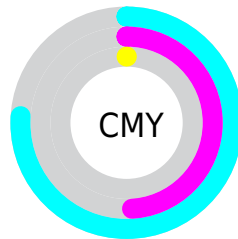
- Red (24%)
- Green (51%)
- Blue (100%)



- Red (24%)
- Yellow (44%)
- Blue (100%)



- Cyan (76%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1452, 0.1870, 0.1621 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 24.1452, 0.1870, 0.1621 by changing the saturation by 10% instead.


 24.1452, 0.1870,
0.1621


 24.1452, 0.1870,
0.1621


273.5537, 0.2514,
0.2423


 15.4414, 0.1716,
0.1444


 50.2670, 0.2101,
0.1898

 9.1297, 0.1527,
0.1233


 68.4538, 0.2189,
0.2006

 4.8259, 0.1293,
0.0984


 90.5704, 0.2264,
0.2100

 2.1455, 0.1004,
0.0696

 117.0012, 0.2329,
0.2182

 0.6900, 0.0662,
0.0379

148.1305, 0.2385,
0.2253

 0.0000, 0.0114,
0.0000

184.3427, 0.2433,

 0.0000, 0.0000,

0.2317

0.0000

226.0224, 0.2476,
0.2373

■ 24.1452, 0.1870,
0.1621

■ 24.1452, 0.1870,
0.1621

■ 19.4883, 0.1754,
0.1389

■ 29.8817, 0.2013,
0.1869

■ 15.8175, 0.1669,
0.1182

■ 36.7735, 0.2176,
0.2121

■ 14.4730, 0.1639,
0.1101

■ 44.8909, 0.2351,
0.2369

■ 54.2967, 0.2530,
0.2604

■ 65.0493, 0.2707,
0.2822

■ 77.2031, 0.2879,
0.3021

■ 90.8092, 0.3041,
0.3199

99.9354, 0.3133,
0.3300

Harmonies

Analogous

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



24.1452, 0.1374, 0.1692



24.1452, 0.1870, 0.1621



24.1452, 0.2783, 0.1843

Triad

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



24.1452, 0.1870, 0.1621



24.1452, 0.5467, 0.3729



24.1452, 0.2062, 0.4610

Complementary

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



24.1452, 0.1870, 0.1621



56.4996, 0.4627, 0.4410

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.



24.1452, 0.3057, 0.5560



24.1452, 0.1870, 0.1621



24.1452, 0.5019, 0.4546

Square

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



24.1452, 0.1870, 0.1621



24.1452, 0.5131, 0.2987



24.1452, 0.4120, 0.5333



24.1452, 0.1428, 0.3141

Rectangle

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



24.1452, 0.1870, 0.1621



24.1452, 0.3602, 0.2140



24.1452, 0.4120, 0.5333



24.1452, 0.2367, 0.5049

Sweetspot

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



24.1459, 0.1870, 0.1621



68.7002, 0.2753, 0.2876



75.3450, 0.2577, 0.4219



13.8027, 0.2690, 0.2801



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.



24.1459, 0.1870, 0.1621



17.5460, 0.1704, 0.1274



12.6460, 0.1798, 0.0964



18.4312, 0.2979, 0.3132



7.8816, 0.1647, 0.1130



0.9642, 0.1710, 0.1355

Inverse Universe

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



26.1199, 0.4834, 0.2708



22.8949, 0.5345, 0.2775



87.7845, 0.3930, 0.5042



18.0934, 0.3238, 0.3206



11.5236, 0.5566, 0.2840



1.1419, 0.5252, 0.2667

Previews

White Background



This preview shows how the Yxy color 24.1452, 0.1870, 0.1621 looks on a white background.

Color Contrast Check

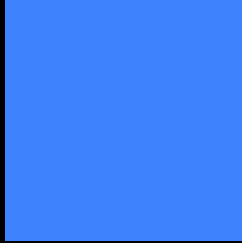
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1452, 0.1870, 0.1621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

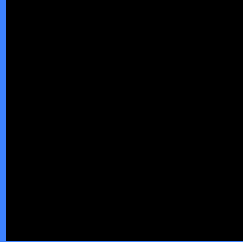
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

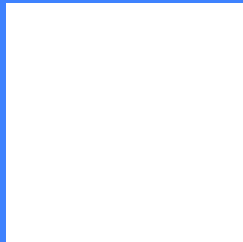
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1452, 0.1870, 0.1621

Background



This preview shows how black text looks on a background with the Yxy color 24.1452, 0.1870, 0.1621.



This preview shows how white text looks on a background with the Yxy color 24.1452, 0.1870, 0.1621.

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

24.1452, 0.1870, 0.1621

Protanopia

24.2448, 0.1879, 0.1624

Deuteranopia

24.1826, 0.1832, 0.1796



Tritanopia

23.9981, 0.2193, 0.3095

Trichromacy



Original Color

24.1452, 0.1870, 0.1621

Protanomaly

24.2110, 0.1876, 0.1623

Deuteranomaly

23.8249, 0.1827, 0.1716

Tritanomaly

23.4232, 0.2023, 0.2397

Monochromacy



Original Color

24.1452, 0.1870, 0.1621

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6287, 0.2453, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1452, 0.1870, 0.1621 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(62, 130, 254)` looks like.

```
.text, #text, p{  
    color:rgb(62, 130, 254)  
}
```

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(62, 130, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 130, 254) }
```

Border

The CSS property to change the border of an element to Yxy 24.1452, 0.1870, 0.1621 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(62, 130, 254) }
```

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

```
.border{ border-color:rgb(62, 130, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 130, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 130, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 130, 254);  
box-shadow:4px 4px 4px 4px rgb(62, 130,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1452, 0.1870, 0.1621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 130, 254) }
```

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

```
.background{ background-color: rgb(62, 130,  
254) }
```

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