

Converting Colors

$Y_{xy}(24.8625, 0.2122, 0.1941)$

Have a look what the booklet for
Yxy(24.8625, 0.2122, 0.1941)
contains.

Yxy(24.8625, 0.2122, 0.1941)	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(24.8625, 0.2122, 0.1941)

Conversions

Conversions Part 1

Format	Color
Hex	6185E3
RGB	97, 133, 227
RGB Percent	38%, 52%, 89%
CMY	0.6197, 0.4784, 0.1098
CMYK	0.57, 0.41, 0.00, 0.11
HSL	223°, 70%, 64%
HSV	223°, 57%, 89%
XYZ	27.1810, 24.8625, 76.0477
YIQ	132.9520, -51.6300, 21.6020

Conversions

Conversions Part 2

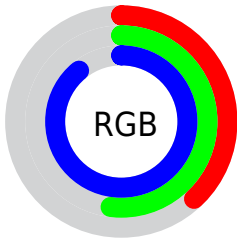
Format	Color
R_{YB}	97, 125, 227
Decimal	6391267
CIE _{Lab}	56.94, 15.01, -51.69
CIE _{LCh}	57, 53.824, 286.198
Yxy	24.8625, 0.2122, 0.1941
Android (android.graphics.Color)	4284581347 (0xFF6185E3)
YUV	132.9520, 46.3657, -31.5299
Hunter-Lab	49.8623, 10.0449, -55.5228

Details

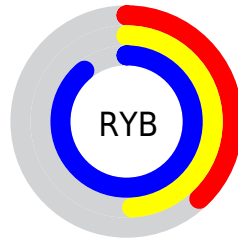
The Yxy color **24.8625, 0.2122, 0.1941** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.4474, 0.4165, 0.4323**, and the grayscale version is **23.2780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4057, 0.2463, 0.2467**, and **9.5005, 0.1817, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **19.6419, 0.1953, 0.1666**, and if you desaturate by 10%, it is **31.1435, 0.2305, 0.2216**.

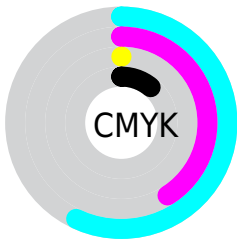
Distribution



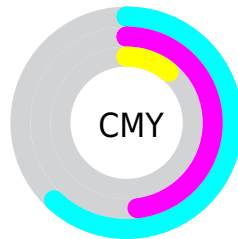
- Red (38%)
- Green (52%)
- Blue (89%)



- Red (38%)
- Yellow (49%)
- Blue (89%)



- Cyan (57%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)



- Cyan (62%)
- Magenta (48%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8625, 0.2122, 0.1941 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 24.8625, 0.2122, 0.1941 by changing the saturation by 10% instead.

■ 24.8625, 0.2122,
0.1941

■ 24.8625, 0.2122,
0.1941

■ 277.1525, 0.2651,
0.2618

■ 15.9746, 0.1988,
0.1779

■ 51.4341, 0.2317,
0.2183

■ 9.5062, 0.1817,
0.1579

■ 69.8866, 0.2390,
0.2276

■ 5.0728, 0.1594,
0.1328

■ 92.2961, 0.2451,
0.2354

■ 2.2900, 0.1302,
0.1013

■ 119.0470, 0.2503,
0.2422

■ 0.7684, 0.0919,
0.0628

■ 150.5237, 0.2548,
0.2481

■ 0.0000, 0.0080,
0.0000

■ 187.1106, 0.2587,

■ 0.0000, 0.0000,

0.2532

0.0000

229.1920, 0.2621,
0.2578

■ 24.8625, 0.2122,
0.1941

■ 24.8625, 0.2122,
0.1941

■ 19.6419, 0.1953,
0.1666

■ 31.1435, 0.2305,
0.2216

■ 15.4153, 0.1806,
0.1403

■ 38.5405, 0.2491,
0.2481

■ 12.1117, 0.1689,
0.1168


■ 47.1077, 0.2675,
0.2729


■ 9.6442, 0.1608,
0.0971


■ 56.8952, 0.2851,
0.2955

■ 9.0913, 0.1590,
0.0924

■ 67.9499, 0.3015,
0.3157

 80.3160, 0.3167,
0.3336

 93.8684, 0.3300,
0.3494

 98.3267, 0.3291,
0.3562

Harmonies

Analogous

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



24.8625, 0.1702, 0.2029



24.8625, 0.2122, 0.1941



24.8625, 0.2856, 0.2119

Triad

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



24.8625, 0.2122, 0.1941



24.8625, 0.4945, 0.3718



24.8625, 0.2355, 0.4275

Complementary

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



24.8625, 0.2122, 0.1941



54.4474, 0.4165, 0.4323

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.



24.8625, 0.3169, 0.4952



24.8625, 0.2122, 0.1941



24.8625, 0.4682, 0.4369

Square

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



24.8625, 0.2122, 0.1941



24.8625, 0.4625, 0.3083



24.8625, 0.4017, 0.4894



24.8625, 0.1799, 0.3245

Rectangle

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



24.8625, 0.2122, 0.1941



24.8625, 0.3479, 0.2366



24.8625, 0.4017, 0.4894



24.8625, 0.2607, 0.4573

Sweetspot

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



24.8633, 0.2122, 0.1941



74.2951, 0.2854, 0.2958



61.2097, 0.2585, 0.3794



15.3215, 0.2819, 0.2915



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.



24.8633, 0.2122, 0.1941



24.2722, 0.1919, 0.1607



18.4620, 0.2220, 0.1539



14.5340, 0.2981, 0.3115



5.4700, 0.1597, 0.0949



0.5567, 0.1676, 0.1234

Inverse Universe

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



26.5707, 0.4370, 0.2889



28.4126, 0.4809, 0.2851



67.9272, 0.3724, 0.4761



14.4333, 0.3249, 0.3225



9.7499, 0.5836, 0.2988



0.7359, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 24.8625, 0.2122, 0.1941 looks on a white background.

Color Contrast Check

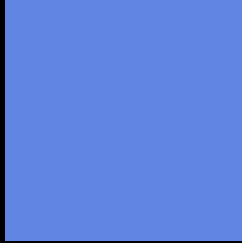
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8625, 0.2122, 0.1941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

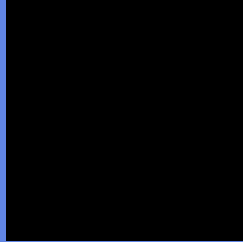
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8625, 0.2122, 0.1941

Background



This preview shows how black text looks on a background with the Yxy color 24.8625, 0.2122, 0.1941.



This preview shows how white text looks on a background with the Yxy color 24.8625, 0.2122, 0.1941.

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

24.8625, 0.2122, 0.1941

Protanopia

24.8625, 0.2122, 0.1941

Deuteranopia

24.9188, 0.2036, 0.1978



Tritanopia

25.0200, 0.2387, 0.3068

Trichromacy



Original Color

24.8625, 0.2122, 0.1941

Protanomaly

24.8625, 0.2122, 0.1941

Deuteranomaly

24.9841, 0.2069, 0.1974

Tritanomaly

24.8111, 0.2279, 0.2596

Monochromacy



Original Color

24.8625, 0.2122, 0.1941

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5581, 0.2670, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8625, 0.2122, 0.1941 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(97, 133, 227)` looks like.

```
.text, #text, p{  
    color:rgb(97, 133, 227)  
}
```

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(97, 133, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 133, 227) }
```

Border

The CSS property to change the border of an element to Yxy 24.8625, 0.2122, 0.1941 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(97, 133, 227) }
```

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

```
.border{ border-color:rgb(97, 133, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 133, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 133, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 133, 227); box-shadow:4px 4px 4px 4px rgb(97, 133, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8625, 0.2122, 0.1941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 133, 227) }
```

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

```
.background{ background-color: rgb(97, 133,  
227) }
```

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