

Converting Colors

$Y_{xy}(25.3584, 0.2258, 0.1906)$

Have a look what the booklet for
Yxy(25.3584, 0.2258, 0.1906)
contains.

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Color

Yxy(25.3064, 0.2262, 0.1906)

Conversions

Conversions Part 1

Format	Color
Hex	7B80E5
RGB	123, 128, 229
RGB Percent	48%, 50%, 90%
CMY	0.5175, 0.4981, 0.1019
CMYK	0.46, 0.44, 0.00, 0.10
HSL	237°, 67%, 69%
HSV	237°, 46%, 90%
XYZ	30.0331, 25.3064, 77.4328
YIQ	138.0190, -35.4010, 30.3510

Conversions

Conversions Part 2

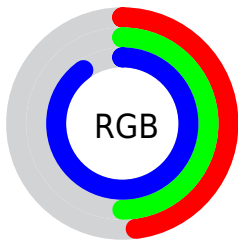
Format	Color
RYB	123, 128, 229
Decimal	8093925
CIELab	57.37, 24.30, -52.01
CIElCh	57, 57.409, 295.037
Yxy	25.3064, 0.2262, 0.1906
Android (android.graphics.Color)	4286284005 (0xFF7B80E5)
YUV	138.0190, 44.8536, -13.1717
Hunter-Lab	50.3055, 18.5325, -56.0484

Details

The Yxy color **25.3064, 0.2262, 0.1906** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.4201, 0.3833, 0.4376**, and the grayscale version is **25.2612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9710, 0.2607, 0.2440**, and **9.7329, 0.1987, 0.1545** is the 20% darker color. If you saturate the color by 10%, you get **18.7166, 0.2053, 0.1563**, and if you desaturate by 10%, it is **33.5175, 0.2473, 0.2249**.

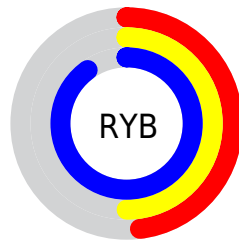
Distribution



Red (48%)

Green (50%)

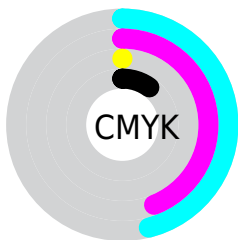
Blue (90%)



Red (48%)

Yellow (50%)

Blue (90%)

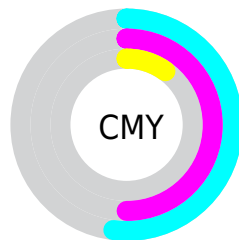


Cyan (46%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (52%)

Magenta (50%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3064, 0.2262, 0.1906 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 25.3064, 0.2262, 0.1906 by changing the saturation by 10% instead.


 25.3064, 0.2262,
0.1906


 25.3064, 0.2262,
0.1906


279.3604, 0.2724,
0.2589


 16.3055, 0.2142,
0.1746


 52.1539, 0.2434,
0.2148

 9.7406, 0.1988,
0.1548


 70.7692, 0.2498,
0.2241

 5.2273, 0.1786,
0.1302


 93.3581, 0.2551,
0.2321

 2.3812, 0.1513,
0.0997

120.3050, 0.2596,
0.2389

 0.8162, 0.1143,
0.0627

151.9943, 0.2635,
0.2449

 0.0000, 0.0521,
0.0000

188.8104, 0.2669,

 0.0000, 0.0000,

0.2501

0.0000

231.1376, 0.2698,
0.2548

■ 25.3064, 0.2262,
0.1906

■ 25.3064, 0.2262,
0.1906

■ 18.7166, 0.2053,
0.1563

■ 33.5175, 0.2473,
0.2249

■ 13.6383, 0.1861,
0.1243

■ 43.4448, 0.2676,
0.2575

■ 9.9521, 0.1700,
0.0971

■ 55.1788, 0.2863,
0.2873

■ 7.5196, 0.1585,
0.0769

■ 68.8032, 0.3032,
0.3140

■ 6.1734, 0.1521,
0.0648

■ 84.3963, 0.3180,
0.3373

■ 5.8907, 0.1506,
0.0622

■ 98.4374, 0.3280,
0.3542

Harmonies

Analogous

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



25.3064, 0.1730, 0.1908



25.3064, 0.2262, 0.1906



25.3064, 0.3119, 0.2165

Triad

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



25.3064, 0.2262, 0.1906



25.3064, 0.5018, 0.3923



25.3064, 0.2100, 0.4019

Complementary

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



25.3064, 0.2262, 0.1906



71.4201, 0.3833, 0.4376

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.



25.3064, 0.2892, 0.4932



25.3064, 0.2262, 0.1906



25.3064, 0.4579, 0.4598

Square

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



25.3064, 0.2262, 0.1906



25.3064, 0.4881, 0.3252



25.3064, 0.3796, 0.5076



25.3064, 0.1631, 0.2942

Rectangle

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



25.3064, 0.2262, 0.1906



25.3064, 0.3800, 0.2462



25.3064, 0.3796, 0.5076



25.3064, 0.2335, 0.4382

Sweetspot

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



25.3073, 0.2262, 0.1906



74.0256, 0.2902, 0.2934



65.6196, 0.2536, 0.3355



15.0811, 0.2864, 0.2874



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.



25.3073, 0.2262, 0.1906



23.8463, 0.2052, 0.1561



28.4561, 0.2636, 0.1976



13.9949, 0.2980, 0.3058



3.4161, 0.1509, 0.0630



0.2909, 0.1532, 0.0715

Inverse Universe

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



32.3896, 0.4326, 0.3236



34.2219, 0.4754, 0.3229



67.3333, 0.3448, 0.4576



14.3789, 0.3285, 0.3279



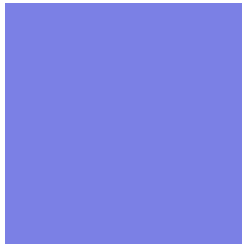
9.5426, 0.6349, 0.3271



0.7090, 0.6208, 0.3194

Previews

White Background



This preview shows how the Yxy color 25.3064, 0.2262, 0.1906 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 25.3064, 0.2262, 0.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

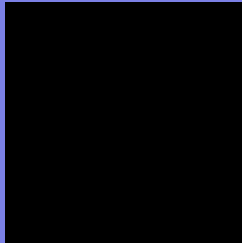
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3064, 0.2262, 0.1906

Background



This preview shows how black text looks on a background with the Yxy color 25.3064, 0.2262, 0.1906.



This preview shows how white text looks on a background with the Yxy color 25.3064, 0.2262, 0.1906.

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

25.3064, 0.2262, 0.1906

Protanopia

25.4280, 0.2075, 0.1875

Deuteranopia

25.4285, 0.2054, 0.1988



Tritanopia

25.2304, 0.2631, 0.3077

Trichromacy



Original Color

25.3064, 0.2262, 0.1906

Protanomaly

25.3890, 0.2138, 0.1886

Deuteranomaly

25.1384, 0.2115, 0.1944

Tritanomaly

24.9109, 0.2473, 0.2560

Monochromacy



Original Color

25.3064, 0.2262, 0.1906

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9770, 0.2761, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3064, 0.2262, 0.1906 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(123, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 229)  
}
```

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(123, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 229) }
```

Border

The CSS property to change the border of an element to Yxy 25.3064, 0.2262, 0.1906 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(123, 128, 229) }
```

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

```
.border{ border-color:rgb(123, 128, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 229);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3064, 0.2262, 0.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 229) }
```

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

```
.background{ background-color: rgb(123,  
128, 229) }
```

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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