

Converting Colors

$Y_{xy}(25.8121, 0.2164, 0.2049)$

Have a look what the booklet for
Yxy(25.8121, 0.2164, 0.2049)
contains.

Yxy(25.7619, 0.2163, 0.2051)	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(25.7619, 0.2163, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	6289DE
RGB	98, 137, 222
RGB Percent	38%, 54%, 87%
CMY	0.6158, 0.4627, 0.1293
CMYK	0.56, 0.38, 0.00, 0.13
HSL	221°, 65%, 63%
HSV	221°, 56%, 87%
XYZ	27.1687, 25.7619, 72.6759
YIQ	135.0290, -50.5290, 18.1670

Conversions

Conversions Part 2

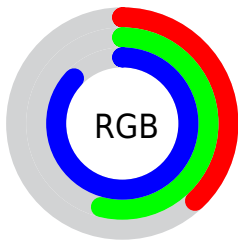
Format	Color
R _Y B	98, 128, 222
Decimal	6457822
CIE Lab	57.81, 11.22, -47.53
CIE LCh	58, 48.833, 283.282
Yxy	25.7619, 0.2163, 0.2051
Android (android.graphics.Color)	4284647902 (0xFF6289DE)
YUV	135.0290, 42.8767, -32.4744
Hunter-Lab	50.7562, 6.7239, -49.3659

Details

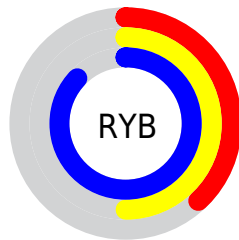
The Yxy color **25.7619, 0.2163, 0.2051** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.2871, 0.4168, 0.4254**, and the grayscale version is **24.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1148, 0.2470, 0.2517**, and **10.0239, 0.1873, 0.1717** is the 20% darker color. If you saturate the color by 10%, you get **20.6688, 0.1996, 0.1787**, and if you desaturate by 10%, it is **31.8095, 0.2342, 0.2312**.

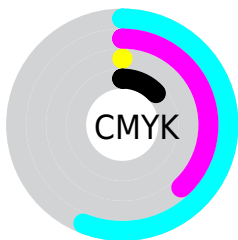
Distribution



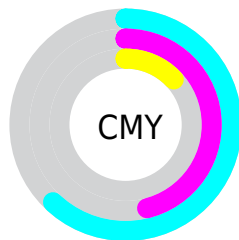
- Red (38%)
- Green (54%)
- Blue (87%)



- Red (38%)
- Yellow (50%)
- Blue (87%)



- Cyan (56%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (62%)
- Magenta (46%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7619, 0.2163, 0.2051 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 25.7619, 0.2163, 0.2051 by changing the saturation by 10% instead.


 25.7619, 0.2163,
0.2051


 25.7619, 0.2163,
0.2051


281.6113, 0.2670,
0.2679


 16.6456, 0.2034,
0.1898


 52.8906, 0.2350,
0.2278

 9.9821, 0.1869,
0.1706


 71.6718, 0.2420,
0.2364

 5.3871, 0.1653,
0.1462


 94.4433, 0.2478,
0.2436

 2.4761, 0.1365,
0.1149

 121.5897, 0.2528,
0.2499

 0.8647, 0.0980,
0.0755

153.4953, 0.2571,
0.2553

 0.0000, 0.0087,
0.0000

190.5445, 0.2608,

 0.0000, 0.0000,

0.2600

0.0000

233.1217, 0.2641,
0.2642

■ 25.7619, 0.2163,
0.2051

■ 25.7619, 0.2163,
0.2051

■ 20.6688, 0.1996,
0.1787

■ 31.8095, 0.2342,
0.2312

■ 16.4730, 0.1849,
0.1530

■ 38.8587, 0.2524,
0.2560

■ 13.1144, 0.1730,
0.1293


■ 46.9563, 0.2703,
0.2791


■ 10.5216, 0.1643,
0.1088


■ 56.1452, 0.2876,
0.3001

■ 9.6383, 0.1615,
0.1012

■ 66.4658, 0.3037,
0.3189

 77.9563, 0.3187,
0.3356

 90.6531, 0.3325,
0.3503

 98.0561, 0.3321,
0.3611

Harmonies

Analogous

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



25.7619, 0.1799, 0.2167



25.7619, 0.2163, 0.2051



25.7619, 0.2812, 0.2191

Triad

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



25.7619, 0.2163, 0.2051



25.7619, 0.4763, 0.3647



25.7619, 0.2503, 0.4244

Complementary

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



25.7619, 0.2163, 0.2051



50.2871, 0.4168, 0.4254

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.



25.7619, 0.3260, 0.4788



25.7619, 0.2163, 0.2051



25.7619, 0.4590, 0.4242

Square

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



25.7619, 0.2163, 0.2051



25.7619, 0.4415, 0.3059



25.7619, 0.4023, 0.4714



25.7619, 0.1958, 0.3347

Rectangle

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



25.7619, 0.2163, 0.2051



25.7619, 0.3365, 0.2408



25.7619, 0.4023, 0.4714



25.7619, 0.2741, 0.4489

Sweetspot

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



25.7628, 0.2163, 0.2051



75.1714, 0.2855, 0.2976



58.2676, 0.2615, 0.3839



15.5269, 0.2820, 0.2935



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.



25.7628, 0.2163, 0.2051



27.2600, 0.1970, 0.1744



18.0498, 0.2214, 0.1573



13.9434, 0.2981, 0.3125



5.8988, 0.1622, 0.1038



0.5657, 0.1708, 0.1347

Inverse Universe

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



26.0716, 0.4253, 0.2842



29.4560, 0.4642, 0.2790



65.3278, 0.3746, 0.4710



13.7712, 0.3243, 0.3216



9.5035, 0.5701, 0.2914



0.6746, 0.5262, 0.2673

Previews

White Background



This preview shows how the Yxy color 25.7619, 0.2163, 0.2051 looks on a white background.

Color Contrast Check

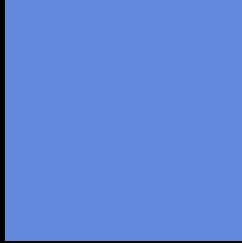
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7619, 0.2163, 0.2051 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 25.7619, 0.2163, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 25.7619, 0.2163, 0.2051.

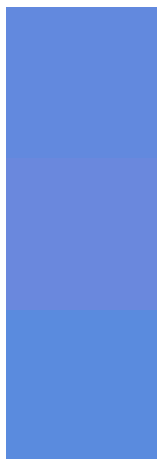


This preview shows how white text looks on a background with the Yxy color 25.7619, 0.2163, 0.2051.

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

25.7619, 0.2163, 0.2051

Protanopia

25.8929, 0.2213, 0.2061

Deuteranopia

25.9128, 0.2126, 0.2069



Tritanopia

25.9172, 0.2410, 0.3072

Trichromacy



Original Color

25.7619, 0.2163, 0.2051

Protanomaly

25.7123, 0.2194, 0.2056

Deuteranomaly

25.7780, 0.2139, 0.2058

Tritanomaly

25.5505, 0.2304, 0.2634

Monochromacy



Original Color

25.7619, 0.2163, 0.2051

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5359, 0.2693, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7619, 0.2163, 0.2051 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(98, 137, 222)` looks like.

```
.text, #text, p{  
    color:rgb(98, 137, 222)  
}
```

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(98, 137, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 137, 222) }
```

Border

The CSS property to change the border of an element to Yxy 25.7619, 0.2163, 0.2051 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(98, 137, 222) }
```

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

```
.border{ border-color:rgb(98, 137, 222) }
```

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

Here you see how a box with a 4 pixel rgb(98, 137, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 137, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 137, 222);  
box-shadow:4px 4px 4px 4px rgb(98, 137,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7619, 0.2163, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 137, 222) }
```

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

```
.background{ background-color: rgb(98, 137,  
222) }
```

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