

Converting Colors

$Y_{xy}(25.2103, 0.2326, 0.2472)$

Have a look what the booklet for
Yxy(25.2103, 0.2326, 0.2472)
contains.

Yxy(25.2981, 0.2329, 0.2481)	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(25.2981, 0.2329, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	608DBF
RGB	96, 141, 191
RGB Percent	38%, 55%, 75%
CMY	0.6237, 0.4470, 0.2510
CMYK	0.50, 0.26, 0.00, 0.25
HSL	212°, 43%, 56%
HSV	212°, 50%, 75%
XYZ	23.7482, 25.2981, 52.9211
YIQ	133.2450, -42.8700, 6.0100

Conversions

Conversions Part 2

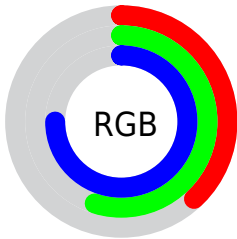
Format	Color
R_{YB}	96, 127, 191
Decimal	6327743
CIE _{Lab}	57.36, -1.31, -30.76
CIE _{LCh}	57, 30.785, 267.567
Yxy	25.2981, 0.2329, 0.2481
Android (android.graphics.Color)	4284517823 (0xFF608DBF)
YUV	133.2450, 28.4732, -32.6639
Hunter-Lab	50.2972, -3.7401, -27.1749

Details

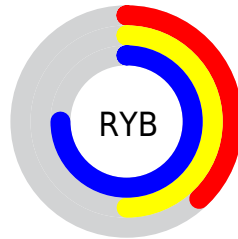
The Yxy color **25.2981, 0.2329, 0.2481** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.4577, 0.4137, 0.3965**, and the grayscale version is **23.4519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9402, 0.2485, 0.2634**, and **9.7004, 0.2067, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **21.5571, 0.2176, 0.2281**, and if you desaturate by 10%, it is **29.5613, 0.2490, 0.2671**.

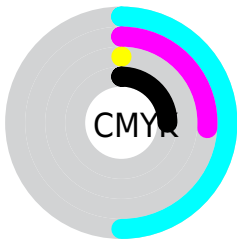
Distribution



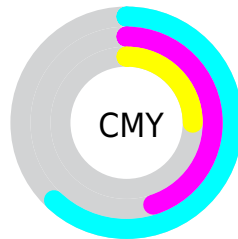
- Red (38%)
- Green (55%)
- Blue (75%)



- Red (38%)
- Yellow (50%)
- Blue (75%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2981, 0.2329, 0.2481 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 25.2981, 0.2329, 0.2481 by changing the saturation by 10% instead.

■ 25.2981, 0.2329,
0.2481

■ 25.2981, 0.2329,
0.2481

■ 279.3193, 0.2755,
0.2915

■ 16.2993, 0.2216,
0.2365

■ 52.1404, 0.2489,
0.2645

■ 9.7362, 0.2067,
0.2212

■ 70.7527, 0.2548,
0.2704

■ 5.2244, 0.1864,
0.2003

■ 93.3383, 0.2597,
0.2754

■ 2.3795, 0.1578,
0.1706

■ 120.2815, 0.2638,
0.2796

■ 0.8153, 0.1154,
0.1266

■ 151.9669, 0.2674,
0.2832

■ 0.0000, 0.0000,
0.0000

188.7787, 0.2704,

0.2863

231.1013, 0.2731,
0.2891

■ 25.2981, 0.2329,
0.2481

■ 25.2981, 0.2329,
0.2481

■ 21.5571, 0.2176,
0.2281

■ 29.5613, 0.2490,
0.2671

■ 18.3097, 0.2038,
0.2077

■ 34.3674, 0.2655,
0.2849

■ 15.5286, 0.1918,
0.1874

■ 39.7391, 0.2818,
0.3012

■ 13.1808, 0.1822,
0.1677

■ 45.6970, 0.2978,
0.3160

■ 11.2108, 0.1749,
0.1493

■ 52.2604, 0.3131,
0.3293

■ 11.1678, 0.1747,
0.1488

■ 59.4477, 0.3276,
0.3411

■ 67.2763, 0.3411,
0.3515

■ 75.7630, 0.3538,
0.3606

■ 82.4052, 0.3562,
0.3699

Harmonies

Analogous

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



25.2981, 0.2178, 0.2691



25.2981, 0.2329, 0.2481



25.2981, 0.2684, 0.2474

Triad

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



25.2981, 0.2329, 0.2481



25.2981, 0.4090, 0.3357



25.2981, 0.2999, 0.4081

Complementary

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



25.2981, 0.2329, 0.2481



32.4577, 0.4137, 0.3965

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.



25.2981, 0.3518, 0.4250



25.2981, 0.2329, 0.2481



25.2981, 0.4173, 0.3769

Square

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



25.2981, 0.2329, 0.2481



25.2981, 0.3717, 0.2960



25.2981, 0.3953, 0.4108



25.2981, 0.2538, 0.3630

Rectangle

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



25.2981, 0.2329, 0.2481



25.2981, 0.3010, 0.2572



25.2981, 0.3953, 0.4108



25.2981, 0.3172, 0.4174

Sweetspot

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



25.2990, 0.2329, 0.2481



75.8728, 0.2891, 0.3081



41.7917, 0.2754, 0.4029



16.1686, 0.2857, 0.3049



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2990, 0.2329, 0.2481



37.8748, 0.2159, 0.2257



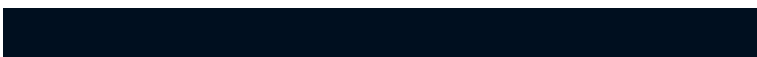
14.6885, 0.2200, 0.1740



9.9513, 0.2984, 0.3166



7.4983, 0.1754, 0.1513



0.4247, 0.1880, 0.1966

Inverse Universe

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



21.3560, 0.3831, 0.2685



31.6261, 0.4079, 0.2573



48.9772, 0.3834, 0.4489



9.6097, 0.3216, 0.3182



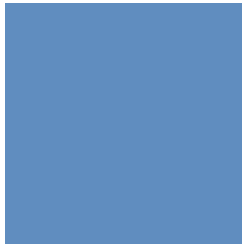
7.7866, 0.5043, 0.2552



0.3182, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 25.2981, 0.2329, 0.2481 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 25.2981, 0.2329, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

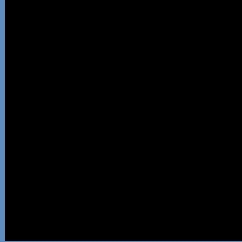
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

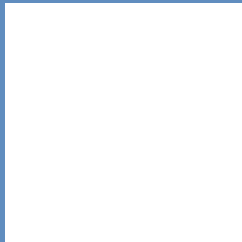
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2981, 0.2329, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 25.2981, 0.2329, 0.2481.

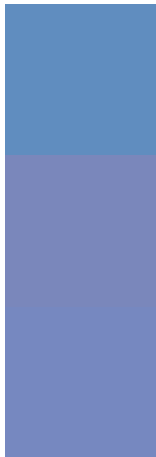


This preview shows how white text looks on a background with the Yxy color 25.2981, 0.2329, 0.2481.

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

25.2981, 0.2329, 0.2481

Protanopia

25.0534, 0.2535, 0.2475

Deuteranopia

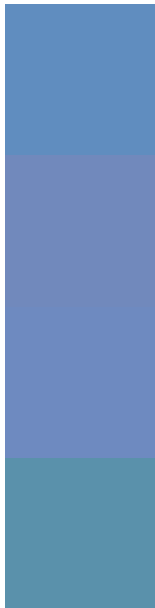
25.2656, 0.2469, 0.2419



Tritanopia

25.3491, 0.2489, 0.3073

Trichromacy



Original Color

25.2981, 0.2329, 0.2481

Protanomaly

25.0329, 0.2460, 0.2479

Deuteranomaly

25.2977, 0.2413, 0.2438

Tritanomaly

25.3647, 0.2428, 0.2839

Monochromacy



Original Color

25.2981, 0.2329, 0.2481

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.9345, 0.2786, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2981, 0.2329, 0.2481 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(96, 141, 191) looks like.

```
.text, #text, p{  
    color:rgb(96, 141, 191)  
}
```

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(96, 141, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 141, 191) }
```

Border

The CSS property to change the border of an element to Yxy 25.2981, 0.2329, 0.2481 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(96, 141, 191) }
```

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

```
.border{ border-color:rgb(96, 141, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 141, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 141, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 141, 191);  
box-shadow:4px 4px 4px 4px rgb(96, 141,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2981, 0.2329, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 141, 191) }
```

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

```
.background{ background-color: rgb(96, 141,  
191) }
```

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