

Converting Colors

$Y_{xy}(25.3996, 0.2310, 0.2369)$

Have a look what the booklet for
Yxy(25.3996, 0.2310, 0.2369)
contains.

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Color

Yxy(25.2518, 0.2308, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	648BC6
RGB	100, 139, 198
RGB Percent	39%, 55%, 78%
CMY	0.6078, 0.4549, 0.2234
CMYK	0.49, 0.30, 0.00, 0.22
HSL	216°, 46%, 58%
HSV	216°, 49%, 78%
XYZ	24.6849, 25.2518, 57.0171
YIQ	134.0650, -42.1830, 10.0810

Conversions

Conversions Part 2

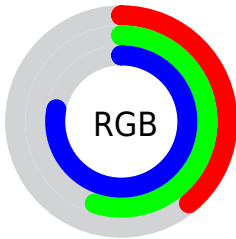
Format	Color
R _Y B	100, 128, 198
Decimal	6589382
CIE Lab	57.32, 2.97, -34.79
CIE LCh	57, 34.918, 274.885
Yxy	25.2518, 0.2308, 0.2361
Android (android.graphics.Color)	4284779462 (0xFF648BC6)
YUV	134.0650, 31.5200, -29.8750
Hunter-Lab	50.2512, -0.2548, -32.0971

Details

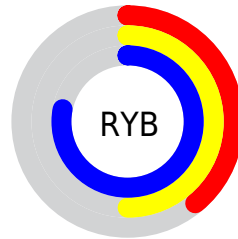
The Yxy color **25.2518, 0.2308, 0.2361** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **37.7445, 0.4082, 0.4055**, and the grayscale version is **23.7608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9872, 0.2474, 0.2541**, and **9.6506, 0.2036, 0.2055** is the 20% darker color. If you saturate the color by 10%, you get **20.9896, 0.2144, 0.2131**, and if you desaturate by 10%, it is **30.1672, 0.2479, 0.2581**.

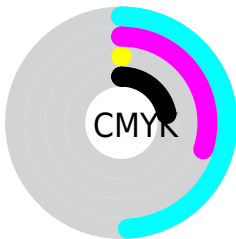
Distribution



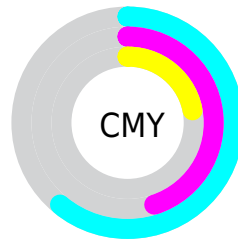
- Red (39%)
- Green (55%)
- Blue (78%)



- Red (39%)
- Yellow (50%)
- Blue (78%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2518, 0.2308, 0.2361 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 25.2518, 0.2308, 0.2361 by changing the saturation by 10% instead.

■ 25.2518, 0.2308,
0.2361

■ 25.2518, 0.2308,
0.2361

279.0896, 0.2745,
0.2852

■ 16.2648, 0.2192,
0.2233

■ 52.0654, 0.2472,
0.2544

■ 9.7117, 0.2041,
0.2066

■ 70.6608, 0.2532,
0.2612

■ 5.2082, 0.1837,
0.1843

■ 93.2277, 0.2582,
0.2668

■ 2.3699, 0.1551,
0.1534

■ 120.1506, 0.2625,
0.2716

■ 0.8104, 0.1140,
0.1096

151.8138, 0.2661,
0.2757

■ 0.0000, 0.0000,
0.0000

188.6018, 0.2693,

0.2793

230.8989, 0.2720,
0.2824

■ 25.2518, 0.2308,
0.2361

■ 25.2518, 0.2308,
0.2361

■ 20.9896, 0.2144,
0.2131

■ 30.1672, 0.2479,
0.2581

■ 17.3455, 0.1995,
0.1898

■ 35.7627, 0.2651,
0.2787

■ 14.2847, 0.1865,
0.1669

■ 42.0669, 0.2819,
0.2975

■ 11.7668, 0.1761,
0.1453

■ 49.1056, 0.2981,
0.3145

■ 9.7286, 0.1684,
0.1257

■ 56.9036, 0.3135,
0.3297

■ 9.6351, 0.1680,
0.1248

■ 65.4840, 0.3278,
0.3432

■ 74.8692, 0.3410,
0.3550

■ 84.4219, 0.3507,
0.3657

■ 91.4600, 0.3483,
0.3770

Harmonies

Analogous

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



25.2518, 0.2083, 0.2532



25.2518, 0.2308, 0.2361



25.2518, 0.2751, 0.2409

Triad

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



25.2518, 0.2308, 0.2361



25.2518, 0.4277, 0.3469



25.2518, 0.2837, 0.4095

Complementary

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



25.2518, 0.2308, 0.2361



37.7445, 0.4082, 0.4055

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.



25.2518, 0.3420, 0.4376



25.2518, 0.2308, 0.2361



25.2518, 0.4277, 0.3922

Square

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



25.2518, 0.2308, 0.2361



25.2518, 0.3923, 0.3018



25.2518, 0.3951, 0.4276



25.2518, 0.2361, 0.3524

Rectangle

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



25.2518, 0.2308, 0.2361



25.2518, 0.3138, 0.2547



25.2518, 0.3951, 0.4276



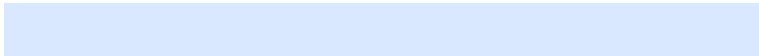
25.2518, 0.3027, 0.4231

Sweetspot

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



25.2527, 0.2308, 0.2361



79.6249, 0.2890, 0.3050



45.6095, 0.2706, 0.3893



16.4833, 0.2855, 0.3013



0.0000, 0.0000, 0.0000



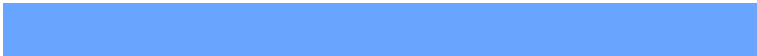
21.4041, 0.3127, 0.3290

Same Dimension

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



25.2527, 0.2308, 0.2361



36.8837, 0.2138, 0.2122



16.4995, 0.2271, 0.1771



10.9681, 0.2983, 0.3147



6.4208, 0.1687, 0.1272



0.4450, 0.1804, 0.1695

Inverse Universe

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



22.9914, 0.3934, 0.2782



33.9659, 0.4204, 0.2695



52.0430, 0.3760, 0.4519



10.7057, 0.3228, 0.3198



8.1882, 0.5365, 0.2729



0.4019, 0.4812, 0.2425

Previews

White Background



This preview shows how the Yxy color 25.2518, 0.2308, 0.2361 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 25.2518, 0.2308, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

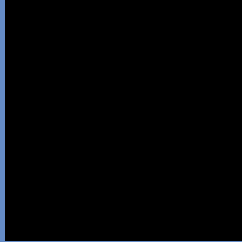
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

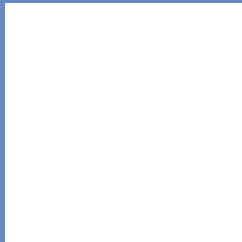
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2518, 0.2308, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 25.2518, 0.2308, 0.2361.

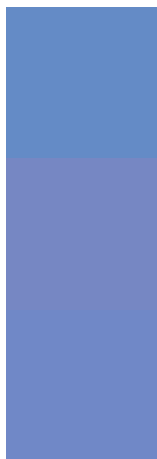


This preview shows how white text looks on a background with the Yxy color 25.2518, 0.2308, 0.2361.

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

25.2518, 0.2308, 0.2361

Protanopia

25.1196, 0.2447, 0.2365

Deuteranopia

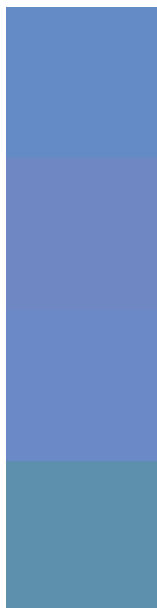
25.1766, 0.2377, 0.2320



Tritanopia

25.3623, 0.2503, 0.3091

Trichromacy



Original Color

25.2518, 0.2308, 0.2361

Protanomaly

24.9733, 0.2389, 0.2356

Deuteranomaly

25.2030, 0.2351, 0.2329

Tritanomaly

25.2390, 0.2425, 0.2791

Monochromacy



Original Color

25.2518, 0.2308, 0.2361

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.1802, 0.2779, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2518, 0.2308, 0.2361 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(100, 139, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 198)  
}
```

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(100, 139, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 198) }
```

Border

The CSS property to change the border of an element to Yxy 25.2518, 0.2308, 0.2361 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(100, 139, 198) }
```

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

```
.border{ border-color:rgb(100, 139, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 139, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 198);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2518, 0.2308, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 198) }
```

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

```
.background{ background-color: rgb(100,  
139, 198) }
```

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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