

Converting Colors

$Y_{xy}(24.9227, 0.2264, 0.2257)$

Have a look what the booklet for
Yxy(24.9227, 0.2264, 0.2257)
contains.

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Color

Yxy(24.9036, 0.2261, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	6389CC
RGB	99, 137, 204
RGB Percent	39%, 54%, 80%
CMY	0.6121, 0.4627, 0.2001
CMYK	0.52, 0.33, 0.00, 0.20
HSL	218°, 51%, 59%
HSV	218°, 52%, 80%
XYZ	24.9809, 24.9036, 60.6017
YIQ	133.2760, -44.1550, 12.7810

Conversions

Conversions Part 2

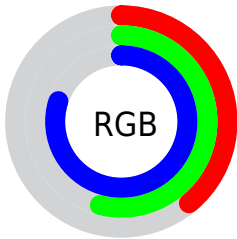
Format	Color
R _Y B	99, 127, 204
Decimal	6523340
CIE Lab	56.98, 5.70, -38.68
CIE LCh	57, 39.103, 278.386
Yxy	24.9036, 0.2261, 0.2254
Android (android.graphics.Color)	4284713420 (0xFF6389CC)
YUV	133.2760, 34.8669, -30.0601
Hunter-Lab	49.9035, 2.0233, -37.0680

Details

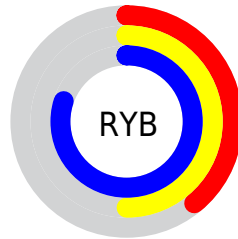
The Yxy color **24.9036, 0.2261, 0.2254** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9589, 0.4106, 0.4127**, and the grayscale version is **23.4384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0155, 0.2464, 0.2515**, and **9.5807, 0.1986, 0.1951** is the 20% darker color. If you saturate the color by 10%, you get **20.4216, 0.2095, 0.2009**, and if you desaturate by 10%, it is **30.1227, 0.2435, 0.2490**.

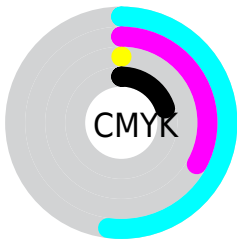
Distribution



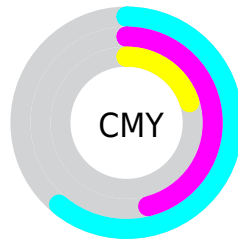
- Red (39%)
- Green (54%)
- Blue (80%)



- Red (39%)
- Yellow (50%)
- Blue (80%)



- Cyan (52%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)



- Cyan (61%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9036, 0.2261, 0.2254 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 24.9036, 0.2261, 0.2254 by changing the saturation by 10% instead.

■ 24.9036, 0.2261,
0.2254

■ 24.9036, 0.2261,
0.2254

277.3575, 0.2722,
0.2796

■ 16.0052, 0.2140,
0.2115

■ 51.5008, 0.2434,
0.2454

■ 9.5279, 0.1982,
0.1936

■ 69.9684, 0.2497,
0.2529

■ 5.0871, 0.1770,
0.1701

■ 92.3946, 0.2550,
0.2591

■ 2.2984, 0.1478,
0.1382

■ 119.1637, 0.2595,
0.2644

■ 0.7729, 0.1068,
0.0945

150.6602, 0.2634,
0.2690

■ 0.0000, 0.0000,
0.0000

187.2684, 0.2667,

0.2730

229.3727, 0.2697,
0.2765

■ 24.9036, 0.2261,
0.2254

■ 24.9036, 0.2261,
0.2254

■ 20.4216, 0.2095,
0.2009

■ 30.1227, 0.2435,
0.2490

■ 16.6360, 0.1944,
0.1764

■ 36.1112, 0.2611,
0.2713

■ 13.5055, 0.1816,
0.1527

■ 42.9025, 0.2784,
0.2917

■ 10.9818, 0.1716,
0.1310

■ 50.5269, 0.2949,
0.3102

■ 9.2539, 0.1652,
0.1145

■ 59.0133, 0.3105,
0.3267

■ 68.3889, 0.3249,
0.3413

■ 78.6798, 0.3383,
0.3541

■ 88.5395, 0.3455,
0.3660

■ 96.5128, 0.3432,
0.3782

Harmonies

Analogous

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



24.9036, 0.1986, 0.2405



24.9036, 0.2261, 0.2254



24.9036, 0.2774, 0.2335

Triad

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



24.9036, 0.2261, 0.2254



24.9036, 0.4441, 0.3535



24.9036, 0.2724, 0.4143

Complementary

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



24.9036, 0.2261, 0.2254



40.9589, 0.4106, 0.4127

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.



24.9036, 0.3367, 0.4508



24.9036, 0.2261, 0.2254



24.9036, 0.4386, 0.4035

Square

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



24.9036, 0.2261, 0.2254



24.9036, 0.4087, 0.3036



24.9036, 0.3979, 0.4422



24.9036, 0.2223, 0.3466

Rectangle

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



24.9036, 0.2261, 0.2254



24.9036, 0.3215, 0.2501



24.9036, 0.3979, 0.4422



24.9036, 0.2931, 0.4314

Sweetspot

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



24.9045, 0.2261, 0.2254



78.8748, 0.2889, 0.3036



48.5558, 0.2673, 0.3868



16.3036, 0.2854, 0.2996



0.0000, 0.0000, 0.0000



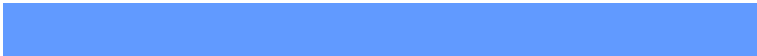
21.4041, 0.3127, 0.3290

Same Dimension

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



24.9045, 0.2261, 0.2254



32.9477, 0.2074, 0.1977



16.7724, 0.2258, 0.1710



11.4991, 0.2983, 0.3138



5.9882, 0.1659, 0.1171



0.4522, 0.1770, 0.1572

Inverse Universe

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



23.5490, 0.4039, 0.2808



32.1322, 0.4365, 0.2731



55.0170, 0.3752, 0.4581



11.2798, 0.3234, 0.3206



8.4075, 0.5508, 0.2808



0.4482, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 24.9036, 0.2261, 0.2254 looks on a white background.

Color Contrast Check

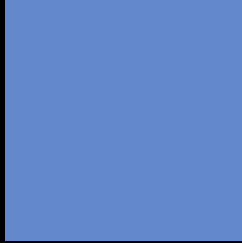
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9036, 0.2261, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

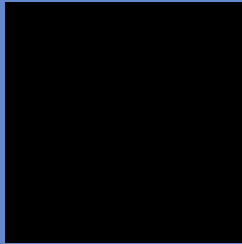
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

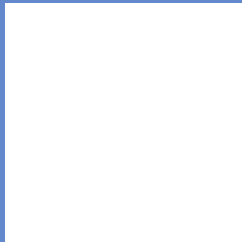
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9036, 0.2261, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 24.9036, 0.2261, 0.2254.

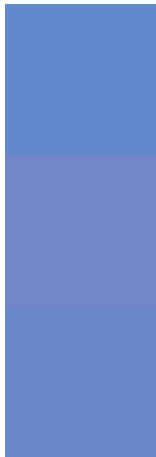


This preview shows how white text looks on a background with the Yxy color 24.9036, 0.2261, 0.2254.

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

24.9036, 0.2261, 0.2254

Protanopia

24.8446, 0.2374, 0.2268

Deuteranopia

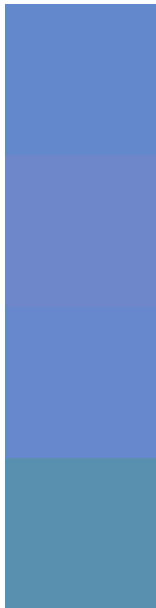
24.9712, 0.2298, 0.2248



Tritanopia

24.9112, 0.2479, 0.3071

Trichromacy



Original Color

24.9036, 0.2261, 0.2254

Protanomaly

24.8434, 0.2334, 0.2263

Deuteranomaly

24.8515, 0.2284, 0.2244

Tritanomaly

24.8639, 0.2389, 0.2740

Monochromacy



Original Color

24.9036, 0.2261, 0.2254

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6183, 0.2749, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9036, 0.2261, 0.2254 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(99, 137, 204)` looks like.

```
.text, #text, p{  
    color:rgb(99, 137, 204)  
}
```

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(99, 137, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 137, 204) }
```

Border

The CSS property to change the border of an element to Yxy 24.9036, 0.2261, 0.2254 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(99, 137, 204) }
```

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

```
.border{ border-color:rgb(99, 137, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 137, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 137, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 137, 204);  
box-shadow:4px 4px 4px 4px rgb(99, 137,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9036, 0.2261, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 137, 204) }
```

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

```
.background{ background-color: rgb(99, 137,  
204) }
```

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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