

Converting Colors

$Y_{xy}(21.9126, 0.2357, 0.2363)$

Have a look what the booklet for
Yxy(21.9126, 0.2357, 0.2363)
contains.

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Color

Yxy(21.9126, 0.2357, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	6481B9
RGB	100, 129, 185
RGB Percent	39%, 51%, 73%
CMY	0.6080, 0.4941, 0.2746
CMYK	0.46, 0.30, 0.00, 0.27
HSL	219°, 38%, 56%
HSV	219°, 46%, 73%
XYZ	21.8570, 21.9126, 48.9626
YIQ	126.7130, -35.2600, 11.2680

Conversions

Conversions Part 2

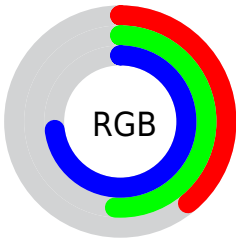
Format	Color
R_{YB}	100, 122, 185
Decimal	6586809
CIE _{Lab}	53.93, 4.89, -32.65
CIE _{LCh}	54, 33.013, 278.515
Yxy	21.9126, 0.2357, 0.2363
Android (android.graphics.Color)	4284776889 (0xFF6481B9)
YUV	126.7130, 28.7355, -23.4273
Hunter-Lab	46.8109, 1.4262, -29.2476

Details

The Yxy color **21.9126, 0.2357, 0.2363** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.9804, 0.3967, 0.4060**, and the grayscale version is **21.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6768, 0.2518, 0.2559**, and **7.9612, 0.2080, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **17.9569, 0.2184, 0.2116**, and if you desaturate by 10%, it is **26.4916, 0.2534, 0.2598**.

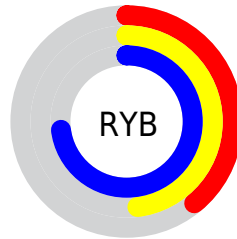
Distribution



Red (39%)

Green (51%)

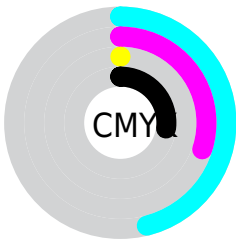
Blue (73%)



Red (39%)

Yellow (48%)

Blue (73%)

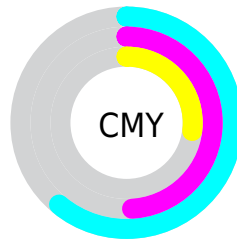


Cyan (46%)

Magenta (30%)

Yellow (0%)

Black (27%)



Cyan (61%)

Magenta (49%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9126, 0.2357, 0.2363 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 21.9126, 0.2357, 0.2363 by changing the saturation by 10% instead.

■ 21.9126, 0.2357,
0.2363

■ 21.9126, 0.2357,
0.2363

■ 262.0895, 0.2779,
0.2862

■ 13.7927, 0.2241,
0.2229

■ 46.6015, 0.2519,
0.2552

■ 7.9766, 0.2086,
0.2052

■ 63.9393, 0.2577,
0.2621

■ 4.0800, 0.1872,
0.1811

■ 85.1185, 0.2625,
0.2678

■ 1.7184, 0.1563,
0.1470

■ 110.5235, 0.2665,
0.2726

■ 0.4355, 0.1053,
0.0860

■ 140.5387, 0.2700,
0.2768

■ 0.0000, 0.0000,
0.0000

175.5485, 0.2730,

0.2803

215.9373, 0.2756,
0.2835

■ 21.9126, 0.2357,
0.2363

■ 21.9126, 0.2357,
0.2363

■ 17.9569, 0.2184,
0.2116

■ 26.4916, 0.2534,
0.2598

■ 14.5923, 0.2021,
0.1864

■ 31.7190, 0.2709,
0.2816

■ 11.7869, 0.1877,
0.1617

■ 37.6215, 0.2878,
0.3015

■ 9.5043, 0.1758,
0.1384

■ 44.2233, 0.3037,
0.3193

■ 7.7009, 0.1670,
0.1177

■ 51.5475, 0.3186,
0.3352

■ 7.0811, 0.1639,
0.1101

■ 59.6160, 0.3323,
0.3491

■ 68.4497, 0.3448,
0.3614

■ 78.0688, 0.3563,
0.3720

■ 86.2584, 0.3584,
0.3829

Harmonies

Analogous

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



21.9126, 0.2106, 0.2505



21.9126, 0.2357, 0.2363



21.9126, 0.2820, 0.2434

Triad

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



21.9126, 0.2357, 0.2363



21.9126, 0.4286, 0.3524



21.9126, 0.2775, 0.4030

Complementary

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



21.9126, 0.2357, 0.2363



34.9804, 0.3967, 0.4060

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.



21.9126, 0.3347, 0.4353



21.9126, 0.2357, 0.2363



21.9126, 0.4244, 0.3968

Square

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



21.9126, 0.2357, 0.2363



21.9126, 0.3975, 0.3072



21.9126, 0.3889, 0.4297



21.9126, 0.2323, 0.3448

Rectangle

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



21.9126, 0.2357, 0.2363



21.9126, 0.3212, 0.2585



21.9126, 0.3889, 0.4297



21.9126, 0.2959, 0.4178

Sweetspot

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



21.9134, 0.2357, 0.2363



69.3570, 0.2906, 0.3047



39.7687, 0.2702, 0.3767



14.4307, 0.2871, 0.3007



93.3107, 0.3127, 0.3290



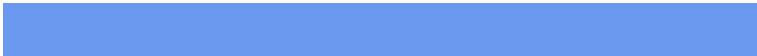
18.7317, 0.3127, 0.3290

Same Dimension

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



21.9134, 0.2357, 0.2363



32.2103, 0.2185, 0.2118



16.0999, 0.2387, 0.1914



9.2079, 0.2985, 0.3135



4.9462, 0.1646, 0.1124



0.2922, 0.1798, 0.1672

Inverse Universe

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



21.0032, 0.3915, 0.2883



31.4668, 0.4186, 0.2807



44.4029, 0.3678, 0.4450



9.0615, 0.3236, 0.3212



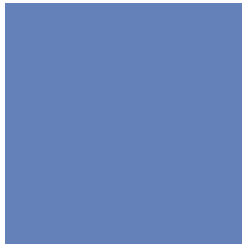
7.2817, 0.5576, 0.2845



0.2686, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 21.9126, 0.2357, 0.2363 looks on a white background.

Color Contrast Check

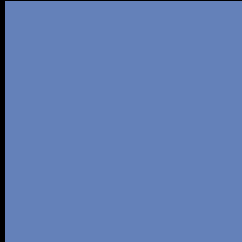
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9126, 0.2357, 0.2363 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

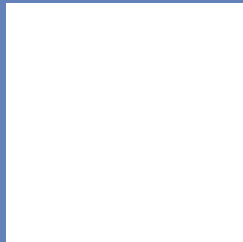
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9126, 0.2357, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 21.9126, 0.2357, 0.2363.



This preview shows how white text looks on a background with the Yxy color 21.9126, 0.2357, 0.2363.

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

21.9126, 0.2357, 0.2363

Protanopia

21.9771, 0.2453, 0.2376

Deuteranopia

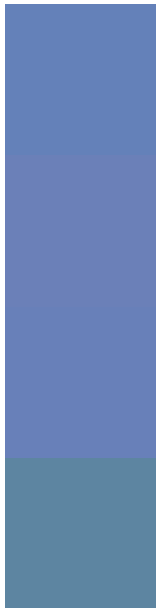
21.7457, 0.2398, 0.2339



Tritanopia

21.8387, 0.2566, 0.3081

Trichromacy



Original Color

21.9126, 0.2357, 0.2363

Protanomaly

22.0248, 0.2416, 0.2371

Deuteranomaly

21.8842, 0.2385, 0.2353

Tritanomaly

21.6754, 0.2482, 0.2783

Monochromacy



Original Color

21.9126, 0.2357, 0.2363

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3584, 0.2801, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9126, 0.2357, 0.2363 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, 129, 185)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 185)  
}
```

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, 129, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.9126, 0.2357, 0.2363 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, 129, 185) }
```

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

```
.border{ border-color:rgb(100, 129, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 129, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 129, 185); box-shadow:4px 4px 4px 4px rgb(100, 129, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9126, 0.2357, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 185) }
```

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

```
.background{ background-color: rgb(100,  
129, 185) }
```

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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