

Converting Colors

$Y_{xy}(21.1239, 0.2459, 0.2369)$

Have a look what the booklet for
Yxy(21.1239, 0.2459, 0.2369)
contains.

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Color

Yxy(21.0256, 0.2458, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	6E7CB4
RGB	110, 124, 180
RGB Percent	43%, 49%, 71%
CMY	0.5688, 0.5137, 0.2941
CMYK	0.39, 0.31, 0.00, 0.29
HSL	228°, 32%, 57%
HSV	228°, 39%, 71%
XYZ	21.8709, 21.0256, 46.0819
YIQ	126.1980, -26.3200, 14.4480

Conversions

Conversions Part 2

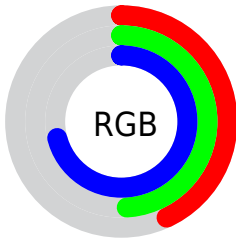
Format	Color
R _Y B	110, 122, 180
Decimal	7240884
CIE Lab	52.98, 9.08, -31.23
CIE LCh	53, 32.525, 286.204
Yxy	21.0256, 0.2458, 0.2363
Android (android.graphics.Color)	4285430964 (0xFF6E7CB4)
YUV	126.1980, 26.5244, -14.2056
Hunter-Lab	45.8537, 4.8955, -27.4875

Details

The Yxy color **21.0256, 0.2458, 0.2363** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.0735, 0.3768, 0.4070**, and the grayscale version is **20.8474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9993, 0.2603, 0.2548**, and **7.4640, 0.2208, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **16.6405, 0.2266, 0.2073**, and if you desaturate by 10%, it is **26.1728, 0.2647, 0.2636**.

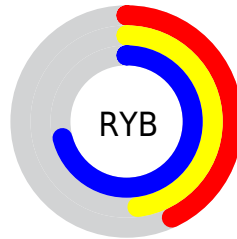
Distribution



Red (43%)

Green (49%)

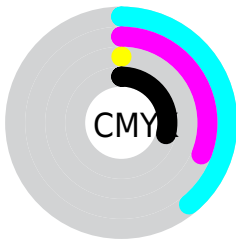
Blue (71%)



Red (43%)

Yellow (48%)

Blue (71%)

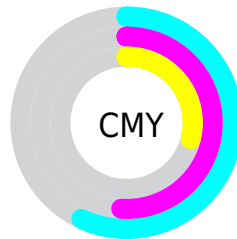


Cyan (39%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (57%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0256, 0.2458, 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 21.0256, 0.2458, 0.2363 by changing the saturation by 10% instead.

■ 21.0256, 0.2458,
0.2363

■ 21.0256, 0.2458,
0.2363

■ 257.4145, 0.2830,
0.2862

■ 13.1427, 0.2353,
0.2228

■ 45.1301, 0.2602,
0.2552

■ 7.5269, 0.2211,
0.2050

■ 62.1206, 0.2654,
0.2621

■ 3.7937, 0.2011,
0.1807

■ 82.9157, 0.2696,
0.2678

■ 1.5589, 0.1713,
0.1461

■ 107.8998, 0.2732,
0.2727

■ 0.3296, 0.1209,
0.0745

■ 137.4573, 0.2762,
0.2768

■ 0.0000, 0.0000,
0.0000

171.9727, 0.2788,

0.2804

211.8303, 0.2810,
0.2835

■ 21.0256, 0.2458,
0.2363

■ 21.0256, 0.2458,
0.2363

■ 16.6405, 0.2266,
0.2073

■ 26.1728, 0.2647,
0.2636

■ 12.9780, 0.2077,
0.1777

■ 32.1140, 0.2825,
0.2886

■ 9.9989, 0.1904,
0.1487

■ 38.8823, 0.2991,
0.3111

■ 7.6587, 0.1755,
0.1221

■ 46.5081, 0.3143,
0.3310

■ 5.9076, 0.1641,
0.0993

■ 55.0203, 0.3280,
0.3485

■ 4.6753, 0.1563,
0.0817

■ 64.4463, 0.3402,
0.3638

■ 4.5656, 0.1556,
0.0801

■ 74.8126, 0.3511,
0.3770

■ 86.1442, 0.3608,
0.3885

■ 95.1088, 0.3577,
0.4014

Harmonies

Analogous

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



21.0256, 0.2149, 0.2448



21.0256, 0.2458, 0.2363



21.0256, 0.2966, 0.2484

Triad

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



21.0256, 0.2458, 0.2363



21.0256, 0.4308, 0.3642



21.0256, 0.2642, 0.3894

Complementary

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



21.0256, 0.2458, 0.2363



38.0735, 0.3768, 0.4070

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.



21.0256, 0.3197, 0.4305



21.0256, 0.2458, 0.2363



21.0256, 0.4177, 0.4068

Square

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



21.0256, 0.2458, 0.2363



21.0256, 0.4084, 0.3184



21.0256, 0.3761, 0.4343



21.0256, 0.2242, 0.3291

Rectangle

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



21.0256, 0.2458, 0.2363



21.0256, 0.3369, 0.2662



21.0256, 0.3761, 0.4343



21.0256, 0.2816, 0.4066

Sweetspot

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



21.0264, 0.2458, 0.2363



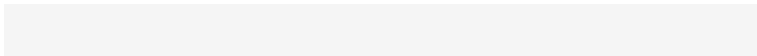
66.2988, 0.2938, 0.3040



38.6618, 0.2693, 0.3528



13.9872, 0.2917, 0.3012



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.0264, 0.2458, 0.2363



30.9917, 0.2287, 0.2106



19.1660, 0.2617, 0.2183



8.4974, 0.2985, 0.3103



3.2656, 0.1561, 0.0818



0.1835, 0.1700, 0.1319

Inverse Universe

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



22.2995, 0.3881, 0.3087



34.1846, 0.4149, 0.3043



41.2536, 0.3512, 0.4304



8.5323, 0.3256, 0.3244



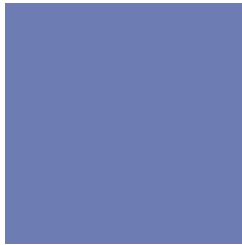
6.8698, 0.6041, 0.3102



0.2243, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 21.0256, 0.2458, 0.2363 looks on a white background.

Color Contrast Check

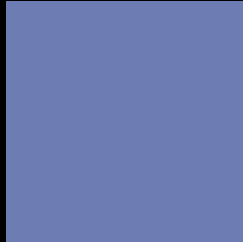
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0256, 0.2458, 0.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

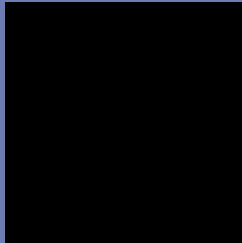
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0256, 0.2458, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 21.0256, 0.2458, 0.2363.



This preview shows how white text looks on a background with the Yxy color 21.0256, 0.2458, 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

21.0256, 0.2458, 0.2363

Protanopia

20.9618, 0.2450, 0.2361

Deuteranopia

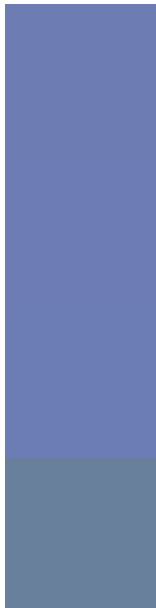
21.0267, 0.2427, 0.2372



Tritanopia

20.9523, 0.2701, 0.3082

Trichromacy



Original Color

21.0256, 0.2458, 0.2363

Protanomaly

20.9618, 0.2450, 0.2361

Deuteranomaly

21.0883, 0.2435, 0.2374

Tritanomaly

20.7817, 0.2603, 0.2784

Monochromacy



Original Color

21.0256, 0.2458, 0.2363

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7356, 0.2849, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0256, 0.2458, 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(110, 124, 180)` looks like.

```
.text, #text, p{  
    color:rgb(110, 124, 180)  
}
```

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(110, 124, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 124, 180) }
```

Border

The CSS property to change the border of an element to Yxy 21.0256, 0.2458, 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(110, 124, 180) }
```

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

```
.border{ border-color:rgb(110, 124, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 124, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 124, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 124, 180);  
box-shadow:4px 4px 4px 4px rgb(110, 124,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0256, 0.2458, 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(110, 124, 180) }
```

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

```
.background{ background-color: rgb(110,  
124, 180) }
```

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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