

Converting Colors

$Yxy(33.7166, 0.2473, 0.2545)$

Have a look what the booklet for
Yxy(33.7166, 0.2473, 0.2545)
contains.

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Color

Yxy(33.6961, 0.2478, 0.2549)

Conversions

Conversions Part 1

Format	Color
Hex	809ED2
RGB	128, 158, 210
RGB Percent	50%, 62%, 82%
CMY	0.4981, 0.3803, 0.1765
CMYK	0.39, 0.25, 0.00, 0.18
HSL	218°, 48%, 66%
HSV	218°, 39%, 82%
XYZ	32.7575, 33.6961, 65.7398
YIQ	154.9580, -34.5720, 9.8120

Conversions

Conversions Part 2

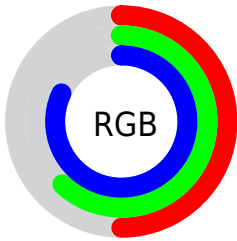
Format	Color
R_{YB}	128, 150, 210
Decimal	8429266
CIE _{Lab}	64.72, 2.63, -29.87
CIE _{LCh}	65, 29.980, 275.023
Yxy	33.6961, 0.2478, 0.2549
Android (android.graphics.Color)	4286619346 (0xFF809ED2)
YUV	154.9580, 27.1357, -23.6422
Hunter-Lab	58.0483, -0.8544, -26.5121

Details

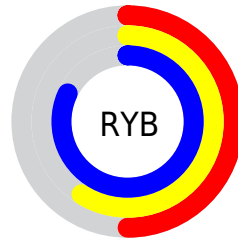
The Yxy color **33.6961, 0.2478, 0.2549** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.8812, 0.3839, 0.3929**, and the grayscale version is **32.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3742, 0.2665, 0.2807**, and **14.3778, 0.2289, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **27.9369, 0.2303, 0.2316**, and if you desaturate by 10%, it is **40.2865, 0.2654, 0.2766**.

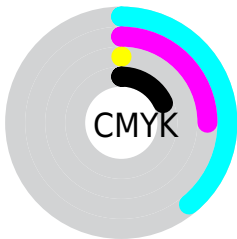
Distribution



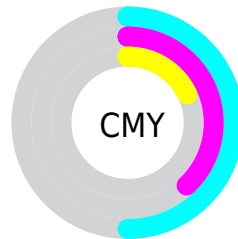
- Red (50%)
- Green (62%)
- Blue (82%)



- Red (50%)
- Yellow (59%)
- Blue (82%)



- Cyan (39%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (50%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6961, 0.2478, 0.2549 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 33.6961, 0.2478, 0.2549 by changing the saturation by 10% instead.

■ 33.6961, 0.2478,
0.2549

■ 33.6961, 0.2478,
0.2549

■ 318.7748, 0.2813,
0.2928

■ 22.6602, 0.2393,
0.2453

■ 65.4608, 0.2601,
0.2688

■ 14.3428, 0.2282,
0.2330

■ 86.9584, 0.2647,
0.2740

■ 8.3595, 0.2135,
0.2167

■ 112.7121, 0.2686,
0.2783

■ 4.3258, 0.1931,
0.1943

■ 143.1062, 0.2719,
0.2821

■ 1.8574, 0.1633,
0.1620

■ 178.5251, 0.2747,
0.2853

■ 0.5226, 0.1139,
0.1061

■ 219.3533, 0.2772,

■ 0.0000, 0.0000,

0.2881

0.0000

265.9751, 0.2793,
0.2906

■ 33.6961, 0.2478,
0.2549

■ 33.6961, 0.2478,
0.2549

■ 27.9369, 0.2303,
0.2316

■ 40.2865, 0.2654,
0.2766

■ 22.9685, 0.2134,
0.2074

■ 47.7383, 0.2825,
0.2965

■ 18.7525, 0.1979,
0.1828

■ 56.0847, 0.2988,
0.3145

■ 15.2452, 0.1845,
0.1589

■ 65.3559, 0.3141,
0.3304

■ 12.3968, 0.1738,
0.1367

■ 75.5808, 0.3284,
0.3445

■ 10.1366, 0.1660,
0.1169

■ 86.7866, 0.3415,
0.3569

■ 9.9460, 0.1653,
0.1152

■ 95.0136, 0.3400,
0.3695

■ 97.4324, 0.3394,
0.3731

Harmonies

Analogous

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



33.6961, 0.2292, 0.2696



33.6961, 0.2478, 0.2549



33.6961, 0.2838, 0.2583

Triad

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



33.6961, 0.2478, 0.2549



33.6961, 0.4023, 0.3449



33.6961, 0.2906, 0.3902

Complementary

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



33.6961, 0.2478, 0.2549



47.8812, 0.3839, 0.3929

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.



33.6961, 0.3367, 0.4124



33.6961, 0.2478, 0.2549



33.6961, 0.4030, 0.3809

Square

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



33.6961, 0.2478, 0.2549



33.6961, 0.3750, 0.3081



33.6961, 0.3782, 0.4071



33.6961, 0.2523, 0.3475

Rectangle

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



33.6961, 0.2478, 0.2549



33.6961, 0.3143, 0.2695



33.6961, 0.3782, 0.4071



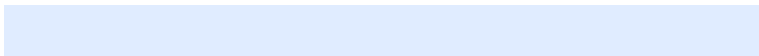
33.6961, 0.3057, 0.4006

Sweetspot

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



33.6974, 0.2478, 0.2549



82.8956, 0.2939, 0.3091



53.9652, 0.2760, 0.3707



17.3719, 0.2917, 0.3068



0.0000, 0.0000, 0.0000



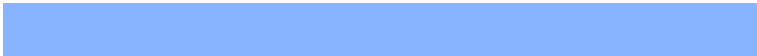
21.4041, 0.3127, 0.3290

Same Dimension

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



33.6974, 0.2478, 0.2549



44.6398, 0.2329, 0.2353



25.5669, 0.2501, 0.2133



12.1165, 0.2982, 0.3139



6.2439, 0.1661, 0.1179



0.4987, 0.1765, 0.1553

Inverse Universe

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



31.6014, 0.3733, 0.2916



41.8861, 0.3933, 0.2837



59.7928, 0.3618, 0.4283



11.8788, 0.3234, 0.3205



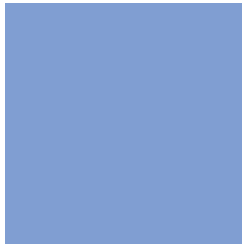
8.7016, 0.5497, 0.2802



0.5016, 0.4991, 0.2523

Previews

White Background



This preview shows how the Yxy color 33.6961, 0.2478, 0.2549 looks on a white background.

Color Contrast Check

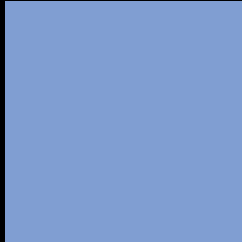
Large Text (above 18pt) WCAG AA × Fail

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 33.6961, 0.2478, 0.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

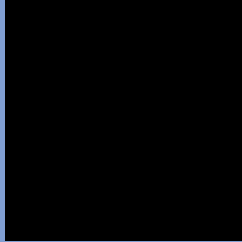
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

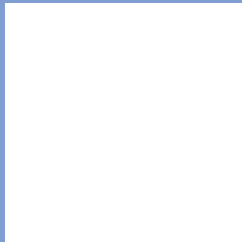
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6961, 0.2478, 0.2549

Background



This preview shows how black text looks on a background with the Yxy color 33.6961, 0.2478, 0.2549.



This preview shows how white text looks on a background with the Yxy color 33.6961, 0.2478, 0.2549.

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

33.6961, 0.2478, 0.2549

Protanopia

33.6985, 0.2595, 0.2561

Deuteranopia

33.4771, 0.2558, 0.2497



Tritanopia

33.7183, 0.2650, 0.3086

Trichromacy



Original Color

33.6961, 0.2478, 0.2549

Protanomaly

33.6494, 0.2552, 0.2556

Deuteranomaly

33.3801, 0.2523, 0.2504

Tritanomaly

33.7257, 0.2586, 0.2881

Monochromacy



Original Color

33.6961, 0.2478, 0.2549

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8918, 0.2860, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6961, 0.2478, 0.2549 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(128, 158, 210)` looks like.

```
.text, #text, p{  
    color:rgb(128, 158, 210)  
}
```

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(128, 158, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 158, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.6961, 0.2478, 0.2549 is called "border". The border property can be set on classes, ids or directly on the HTML element.

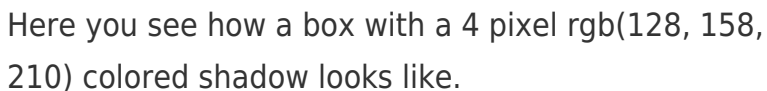
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 158, 210) }
```

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

```
.border{ border-color:rgb(128, 158, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 158, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 158, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 158, 210); box-shadow:4px 4px 4px 4px rgb(128, 158, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6961, 0.2478, 0.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 158, 210) }
```

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

```
.background{ background-color: rgb(128,  
158, 210) }
```

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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