

Converting Colors

$Yxy(31.5966, 0.2412, 0.2406)$

Have a look what the booklet for
Yxy(31.5966, 0.2412, 0.2406)
contains.

Yxy(31.5966, 0.2412, 0.2406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5966, 0.2412, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	7C98D6
RGB	124, 152, 214
RGB Percent	49%, 60%, 84%
CMY	0.5138, 0.4039, 0.1608
CMYK	0.42, 0.29, 0.00, 0.16
HSL	221°, 52%, 66%
HSV	221°, 42%, 84%
XYZ	31.6754, 31.5966, 68.0522
YIQ	150.6960, -36.5900, 13.3460

Conversions

Conversions Part 2

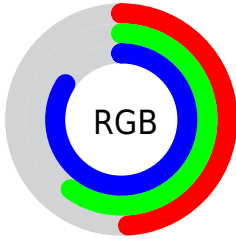
Format	Color
RYB	124, 145, 214
Decimal	8165590
CIELab	63.01, 6.10, -34.78
CIElCh	63, 35.309, 279.954
Yxy	31.5966, 0.2412, 0.2406
Android (android.graphics.Color)	4286355670 (0xFF7C98D6)
YUV	150.6960, 31.2089, -23.4124
Hunter-Lab	56.2109, 2.2176, -32.4324

Details

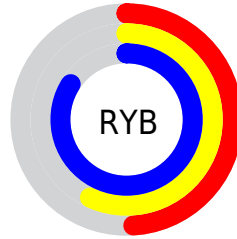
The Yxy color **31.5966, 0.2412, 0.2406** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.8579, 0.3880, 0.4034**, and the grayscale version is **30.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0659, 0.2640, 0.2735**, and **13.1127, 0.2197, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **25.6824, 0.2231, 0.2149**, and if you desaturate by 10%, it is **38.4535, 0.2594, 0.2649**.

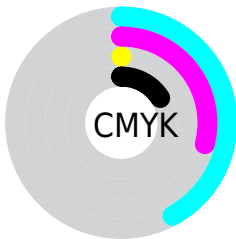
Distribution



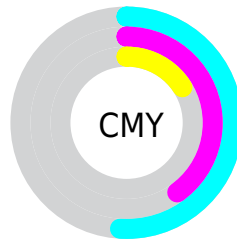
- Red (49%)
- Green (60%)
- Blue (84%)



- Red (49%)
- Yellow (57%)
- Blue (84%)



- Cyan (42%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5966, 0.2412, 0.2406 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 31.5966, 0.2412, 0.2406 by changing the saturation by 10% instead.

■ 31.5966, 0.2412,
0.2406

■ 31.5966, 0.2412,
0.2406

309.2775, 0.2783,
0.2856

■ 21.0536, 0.2317,
0.2294

■ 62.1781, 0.2549,
0.2570

■ 13.1632, 0.2194,
0.2150

■ 82.9855, 0.2600,
0.2632

■ 7.5410, 0.2031,
0.1962

■ 107.9830, 0.2643,
0.2684

■ 3.8027, 0.1805,
0.1707

137.5551, 0.2679,
0.2728

■ 1.5638, 0.1481,
0.1351

172.0862, 0.2711,
0.2766

■ 0.3330, 0.0932,
0.0667

211.9607, 0.2738,

■ 0.0000, 0.0000,

0.2800

0.0000

257.5630, 0.2762,
0.2830

■ 31.5966, 0.2412,
0.2406

■ 31.5966, 0.2412,
0.2406

■ 25.6824, 0.2231,
0.2149

■ 38.4535, 0.2594,
0.2649

■ 20.6631, 0.2058,
0.1884

■ 46.2906, 0.2771,
0.2873

■ 16.4915, 0.1902,
0.1623

■ 55.1479, 0.2939,
0.3075

■ 13.1140, 0.1771,
0.1377

■ 65.0616, 0.3096,
0.3255

■ 10.4693, 0.1672,
0.1158

■ 76.0664, 0.3241,
0.3415

■ 8.8270, 0.1614,
0.1008

■ 88.1950, 0.3373,
0.3554

■ 97.6354, 0.3370,
0.3691

Harmonies

Analogous

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



31.5966, 0.2161, 0.2534



31.5966, 0.2412, 0.2406



31.5966, 0.2863, 0.2482

Triad

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



31.5966, 0.2412, 0.2406



31.5966, 0.4230, 0.3538



31.5966, 0.2771, 0.3964

Complementary

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



31.5966, 0.2412, 0.2406



50.8579, 0.3880, 0.4034

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.



31.5966, 0.3313, 0.4286



31.5966, 0.2412, 0.2406



31.5966, 0.4177, 0.3957

Square

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



31.5966, 0.2412, 0.2406



31.5966, 0.3950, 0.3104



31.5966, 0.3831, 0.4255



31.5966, 0.2348, 0.3413

Rectangle

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



31.5966, 0.2412, 0.2406



31.5966, 0.3237, 0.2631



31.5966, 0.3831, 0.4255



31.5966, 0.2945, 0.4108

Sweetspot

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



31.5978, 0.2412, 0.2406



80.5363, 0.2922, 0.3055



55.9039, 0.2711, 0.3681



16.5888, 0.2885, 0.3011



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.



31.5978, 0.2412, 0.2406



39.4819, 0.2259, 0.2190



24.8812, 0.2480, 0.2040



12.6333, 0.2982, 0.3125



5.4991, 0.1621, 0.1034



0.4778, 0.1718, 0.1384

Inverse Universe

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



30.9731, 0.3863, 0.2946



39.3657, 0.4092, 0.2883



61.4897, 0.3617, 0.4374



12.4839, 0.3243, 0.3218



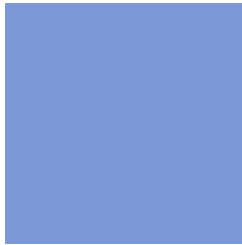
8.9000, 0.5708, 0.2918



0.5516, 0.5212, 0.2645

Previews

White Background



This preview shows how the Yxy color 31.5966, 0.2412, 0.2406 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 31.5966, 0.2412, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

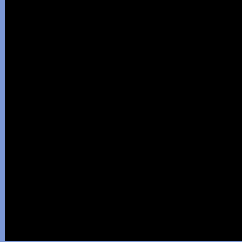
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5966, 0.2412, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 31.5966, 0.2412, 0.2406.



This preview shows how white text looks on a background with the Yxy color 31.5966, 0.2412, 0.2406.

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

31.5966, 0.2412, 0.2406

Protanopia

31.5527, 0.2484, 0.2414

Deuteranopia

31.4136, 0.2450, 0.2386



Tritanopia

31.6695, 0.2618, 0.3080

Trichromacy



Original Color

31.5966, 0.2412, 0.2406

Protanomaly

31.6831, 0.2458, 0.2412

Deuteranomaly

31.5775, 0.2438, 0.2398

Tritanomaly

31.5267, 0.2538, 0.2811

Monochromacy



Original Color

31.5966, 0.2412, 0.2406

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.8519, 0.2828, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5966, 0.2412, 0.2406 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(124, 152, 214)` looks like.

```
.text, #text, p{  
    color:rgb(124, 152, 214)  
}
```

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(124, 152, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 152, 214) }
```

Border

The CSS property to change the border of an element to Yxy 31.5966, 0.2412, 0.2406 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(124, 152, 214) }
```

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

```
.border{ border-color:rgb(124, 152, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 152, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 152, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 152, 214);  
box-shadow:4px 4px 4px 4px rgb(124, 152,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5966, 0.2412, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 152, 214) }
```

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

```
.background{ background-color: rgb(124,  
152, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor