

Converting Colors

$Y_{xy}(31.3758, 0.2456, 0.2455)$

Have a look what the booklet for
Yxy(31.3758, 0.2456, 0.2455)
contains.

Yxy(31.2487, 0.2461, 0.2455)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2487, 0.2461, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	7F97D1
RGB	127, 151, 209
RGB Percent	50%, 59%, 82%
CMY	0.5021, 0.4078, 0.1803
CMYK	0.39, 0.28, 0.00, 0.18
HSL	222°, 47%, 66%
HSV	222°, 39%, 82%
XYZ	31.3251, 31.2487, 64.7122
YIQ	150.4360, -32.9220, 12.9500

Conversions

Conversions Part 2

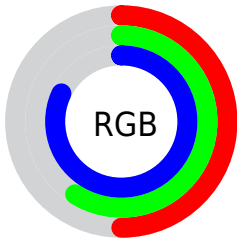
Format	Color
RYB	127, 146, 209
Decimal	8361937
CIELab	62.72, 6.08, -32.43
CIElCh	63, 32.998, 280.609
Yxy	31.2487, 0.2461, 0.2455
Android (android.graphics.Color)	4286552017 (0xFF7F97D1)
YUV	150.4360, 28.8721, -20.5534
Hunter-Lab	55.9005, 2.2004, -29.5055

Details

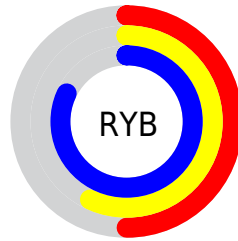
The Yxy color **31.2487, 0.2461, 0.2455** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.7761, 0.3815, 0.4001**, and the grayscale version is **30.5779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8277, 0.2651, 0.2725**, and **12.9033, 0.2259, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **25.3462, 0.2277, 0.2195**, and if you desaturate by 10%, it is **38.0826, 0.2643, 0.2699**.

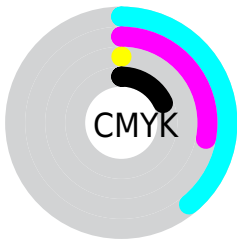
Distribution



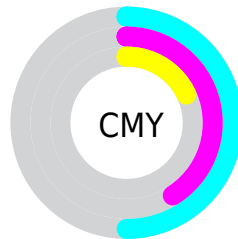
- Red (50%)
- Green (59%)
- Blue (82%)



- Red (50%)
- Yellow (57%)
- Blue (82%)



- Cyan (39%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



- Cyan (50%)
- Magenta (41%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2487, 0.2461, 0.2455 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 31.2487, 0.2461, 0.2455 by changing the saturation by 10% instead.

■ 31.2487, 0.2461,
0.2455

■ 31.2487, 0.2461,
0.2455

■ 307.6824, 0.2809,
0.2882

■ 20.7883, 0.2371,
0.2347

■ 61.6314, 0.2590,
0.2611

■ 12.9693, 0.2254,
0.2209

■ 82.3225, 0.2638,
0.2670

■ 7.4074, 0.2098,
0.2026

■ 107.1926, 0.2678,
0.2719

■ 3.7182, 0.1879,
0.1776

■ 136.6262, 0.2712,
0.2761

■ 1.5172, 0.1560,
0.1422

■ 171.0075, 0.2741,
0.2798

■ 0.3008, 0.0982,
0.0680

■ 210.7211, 0.2767,

■ 0.0000, 0.0000,

0.2829

0.0000

256.1513, 0.2789,
0.2857

■ 31.2487, 0.2461,
0.2455

■ 31.2487, 0.2461,
0.2455

■ 25.3462, 0.2277,
0.2195

■ 38.0826, 0.2643,
0.2699

■ 20.3289, 0.2099,
0.1925

■ 45.8842, 0.2819,
0.2923

■ 16.1515, 0.1936,
0.1657

■ 54.6919, 0.2985,
0.3124

■ 12.7629, 0.1795,
0.1402

■ 64.5411, 0.3138,
0.3303

■ 10.1053, 0.1685,
0.1173

■ 75.4654, 0.3279,
0.3460

■ 8.0975, 0.1607,
0.0981

■ 87.4966, 0.3407,
0.3598

■ 7.9681, 0.1602,
0.0968

■ 97.0324, 0.3400,
0.3735

■ 97.3843, 0.3400,
0.3740

Harmonies

Analogous

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



31.2487, 0.2218, 0.2574



31.2487, 0.2461, 0.2455



31.2487, 0.2891, 0.2530

Triad

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



31.2487, 0.2461, 0.2455



31.2487, 0.4164, 0.3538



31.2487, 0.2784, 0.3909

Complementary

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



31.2487, 0.2461, 0.2455



49.7761, 0.3815, 0.4001

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.



31.2487, 0.3294, 0.4217



31.2487, 0.2461, 0.2455



31.2487, 0.4110, 0.3931

Square

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



31.2487, 0.2461, 0.2455



31.2487, 0.3907, 0.3126



31.2487, 0.3783, 0.4201



31.2487, 0.2388, 0.3396

Rectangle

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



31.2487, 0.2461, 0.2455



31.2487, 0.3244, 0.2674



31.2487, 0.3783, 0.4201



31.2487, 0.2947, 0.4045

Sweetspot

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



31.2499, 0.2461, 0.2455



81.6169, 0.2938, 0.3068



53.5959, 0.2726, 0.3630



17.0722, 0.2916, 0.3042



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.



31.2499, 0.2461, 0.2455



41.2337, 0.2309, 0.2240



25.6477, 0.2545, 0.2141



11.9741, 0.2982, 0.3121



5.0615, 0.1609, 0.0992



0.4206, 0.1713, 0.1365

Inverse Universe

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



30.9625, 0.3810, 0.2988



41.5423, 0.4031, 0.2927



58.4261, 0.3575, 0.4304



11.8644, 0.3245, 0.3222



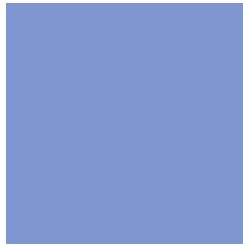
8.5822, 0.5770, 0.2952



0.4938, 0.5238, 0.2659

Previews

White Background



This preview shows how the Yxy color 31.2487, 0.2461, 0.2455 looks on a white background.

Color Contrast Check

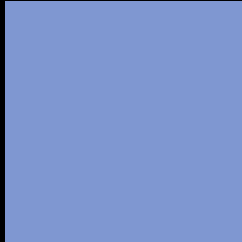
Large Text (above 18pt) WCAG AA × Fail

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 31.2487, 0.2461, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

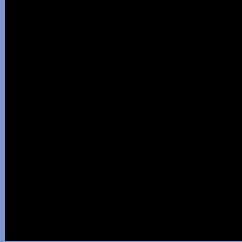
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

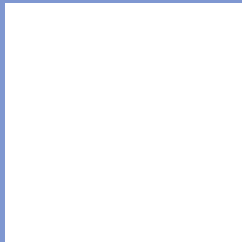
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2487, 0.2461, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 31.2487, 0.2461, 0.2455.



This preview shows how white text looks on a background with the Yxy color 31.2487, 0.2461, 0.2455.

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

31.2487, 0.2461, 0.2455

Protanopia

31.1173, 0.2515, 0.2449

Deuteranopia

31.3217, 0.2496, 0.2448



Tritanopia

31.1759, 0.2659, 0.3080

Trichromacy



Original Color

31.2487, 0.2461, 0.2455

Protanomaly

31.1921, 0.2495, 0.2459

Deuteranomaly

31.1620, 0.2481, 0.2445

Tritanomaly

31.0104, 0.2584, 0.2825

Monochromacy



Original Color

31.2487, 0.2461, 0.2455

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.5038, 0.2862, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2487, 0.2461, 0.2455 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(127, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(127, 151, 209)  
}
```

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(127, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 151, 209) }
```

Border

The CSS property to change the border of an element to Yxy 31.2487, 0.2461, 0.2455 is called "border". The border property can be set on classes, ids or directly on the HTML element.

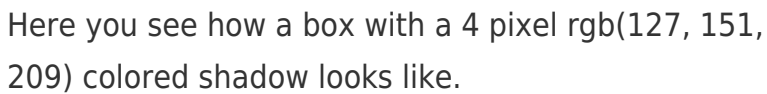
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 151, 209) }
```

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

```
.border{ border-color:rgb(127, 151, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(127, 151,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2487, 0.2461, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 151, 209) }
```

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

```
.background{ background-color: rgb(127,  
151, 209) }
```

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