

Converting Colors

$Y_{xy}(29.8387, 0.2453, 0.2470)$

Have a look what the booklet for
Yxy(29.8387, 0.2453, 0.2470)
contains.

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Color

Yxy(29.6770, 0.2450, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	7A94CC
RGB	122, 148, 204
RGB Percent	48%, 58%, 80%
CMY	0.5213, 0.4196, 0.2000
CMYK	0.40, 0.27, 0.00, 0.20
HSL	221°, 45%, 64%
HSV	221°, 40%, 80%
XYZ	29.5204, 29.6770, 61.2939
YIQ	146.6100, -33.4720, 11.9040

Conversions

Conversions Part 2

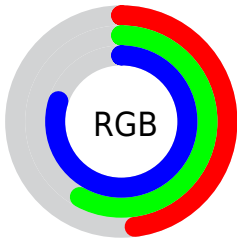
Format	Color
R _Y B	122, 142, 204
Decimal	8033484
CIE Lab	61.37, 5.10, -31.73
CIE LCh	61, 32.141, 279.126
Yxy	29.6770, 0.2450, 0.2463
Android (android.graphics.Color)	4286223564 (0xFF7A94CC)
YUV	146.6100, 28.2933, -21.5830
Hunter-Lab	54.4766, 1.3934, -28.5760

Details

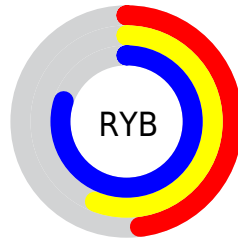
The Yxy color **29.6770, 0.2450, 0.2463** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.1094, 0.3841, 0.3994**, and the grayscale version is **28.9047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8082, 0.2616, 0.2685**, and **12.2026, 0.2238, 0.2215** is the 20% darker color. If you saturate the color by 10%, you get **24.2275, 0.2270, 0.2211**, and if you desaturate by 10%, it is **35.9683, 0.2630, 0.2700**.

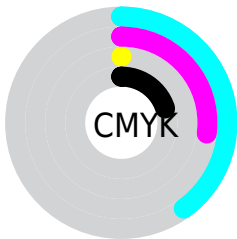
Distribution



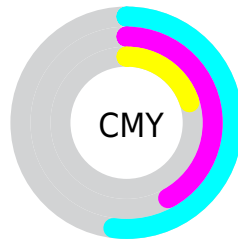
- Red (48%)
- Green (58%)
- Blue (80%)



- Red (48%)
- Yellow (56%)
- Blue (80%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)



- Cyan (52%)
- Magenta (42%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6770, 0.2450, 0.2463 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 29.6770, 0.2450, 0.2463 by changing the saturation by 10% instead.

■ 29.6770, 0.2450,
0.2463

■ 29.6770, 0.2450,
0.2463

■ 300.3960, 0.2806,
0.2890

■ 19.5936, 0.2357,
0.2354

■ 59.1510, 0.2583,
0.2621

■ 12.0999, 0.2236,
0.2213

■ 79.3103, 0.2632,
0.2679

■ 6.8118, 0.2072,
0.2025

■ 103.5971, 0.2672,
0.2728

■ 3.3447, 0.1843,
0.1766

■ 132.3957, 0.2707,
0.2770

■ 1.3142, 0.1505,
0.1394

■ 166.0904, 0.2737,
0.2807

■ 0.1522, 0.0744,
0.0421

■ 205.0658, 0.2763,

■ 0.0000, 0.0000,

0.2838

0.0000

249.7062, 0.2786,
0.2866

■ 29.6770, 0.2450,
0.2463

■ 29.6770, 0.2450,
0.2463

■ 24.2275, 0.2270,
0.2211

■ 35.9683, 0.2630,
0.2700

■ 19.5780, 0.2096,
0.1950

■ 43.1337, 0.2805,
0.2917

■ 15.6880, 0.1936,
0.1689

■ 51.2078, 0.2970,
0.3113

■ 12.5115, 0.1800,
0.1440

■ 60.2224, 0.3125,
0.3287

■ 9.9962, 0.1694,
0.1215

■ 70.2075, 0.3267,
0.3441

■ 8.0892, 0.1618,
0.1026

■ 81.1917, 0.3397,
0.3576

■ 91.2849, 0.3447,
0.3703

■ 97.1393, 0.3430,
0.3790

Harmonies

Analogous

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



29.6770, 0.2218, 0.2592



29.6770, 0.2450, 0.2463



29.6770, 0.2869, 0.2528

Triad

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



29.6770, 0.2450, 0.2463



29.6770, 0.4149, 0.3516



29.6770, 0.2811, 0.3925

Complementary

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



29.6770, 0.2450, 0.2463



46.1094, 0.3841, 0.3994

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.



29.6770, 0.3319, 0.4215



29.6770, 0.2450, 0.2463



29.6770, 0.4111, 0.3909

Square

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



29.6770, 0.2450, 0.2463



29.6770, 0.3881, 0.3108



29.6770, 0.3798, 0.4185



29.6770, 0.2409, 0.3422

Rectangle

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



29.6770, 0.2450, 0.2463



29.6770, 0.3216, 0.2666



29.6770, 0.3798, 0.4185



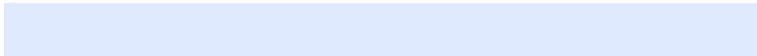
29.6770, 0.2974, 0.4054

Sweetspot

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



29.6781, 0.2450, 0.2463



82.0247, 0.2938, 0.3076



50.5406, 0.2727, 0.3659



17.1677, 0.2917, 0.3050



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.



29.6781, 0.2450, 0.2463



41.4268, 0.2297, 0.2250



23.6189, 0.2517, 0.2109



11.4138, 0.2983, 0.3127



5.2407, 0.1625, 0.1050



0.4071, 0.1737, 0.1453

Inverse Universe

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



28.9084, 0.3807, 0.2957



40.8788, 0.4027, 0.2891



55.4041, 0.3595, 0.4322



11.2712, 0.3241, 0.3217



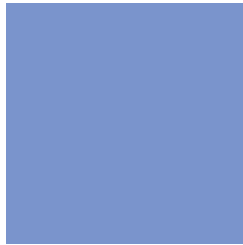
8.3320, 0.5683, 0.2904



0.4436, 0.5121, 0.2595

Previews

White Background



This preview shows how the Yxy color 29.6770, 0.2450, 0.2463 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 29.6770, 0.2450, 0.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

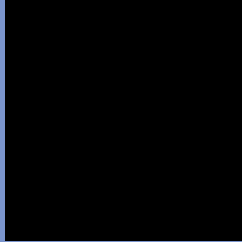
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

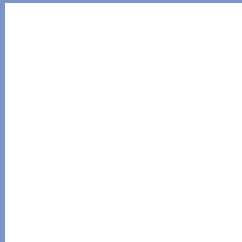
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6770, 0.2450, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 29.6770, 0.2450, 0.2463.

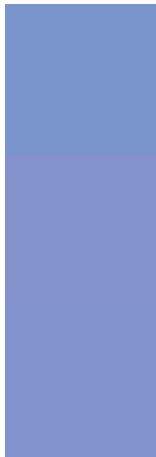


This preview shows how white text looks on a background with the Yxy color 29.6770, 0.2450, 0.2463.

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

29.6770, 0.2450, 0.2463

Protanopia

29.6473, 0.2526, 0.2472

Deuteranopia

29.5845, 0.2497, 0.2444



Tritanopia

29.7434, 0.2651, 0.3092

Trichromacy



Original Color

29.6770, 0.2450, 0.2463

Protanomaly

29.7684, 0.2498, 0.2470

Deuteranomaly

29.6627, 0.2477, 0.2454

Tritanomaly

29.4648, 0.2574, 0.2844

Monochromacy



Original Color

29.6770, 0.2450, 0.2463

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0979, 0.2848, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6770, 0.2450, 0.2463 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(122, 148, 204)` looks like.

```
.text, #text, p{  
    color:rgb(122, 148, 204)  
}
```

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(122, 148, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 148, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.6770, 0.2450, 0.2463 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(122, 148, 204) }
```

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

```
.border{ border-color:rgb(122, 148, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 148, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 148, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 148, 204);  
box-shadow:4px 4px 4px 4px rgb(122, 148,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6770, 0.2450, 0.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 148, 204) }
```

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

```
.background{ background-color: rgb(122,  
148, 204) }
```

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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