

Converting Colors

$Y_{xy}(29.8774, 0.2393, 0.2553)$

Have a look what the booklet for
Yxy(29.8774, 0.2393, 0.2553)
contains.

Yxy(29.8778, 0.2394, 0.2559)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8778, 0.2394, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	6D98C8
RGB	109, 152, 200
RGB Percent	43%, 60%, 78%
CMY	0.5728, 0.4038, 0.2158
CMYK	0.46, 0.24, 0.00, 0.22
HSL	212°, 45%, 61%
HSV	212°, 46%, 78%
XYZ	27.9513, 29.8778, 58.9266
YIQ	144.6150, -41.0360, 5.8120

Conversions

Conversions Part 2

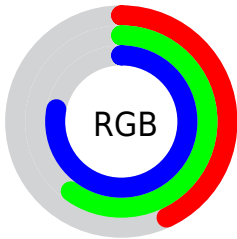
Format	Color
R _Y B	109, 138, 200
Decimal	7182536
CIE Lab	61.55, -1.76, -29.28
CIE LCh	62, 29.333, 266.557
Yxy	29.8778, 0.2394, 0.2559
Android (android.graphics.Color)	4285372616 (0xFF6D98C8)
YUV	144.6150, 27.3048, -31.2344
Hunter-Lab	54.6606, -4.3780, -25.6549

Details

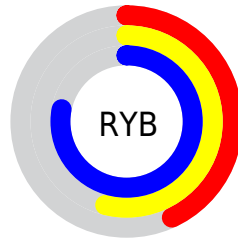
The Yxy color **29.8778, 0.2394, 0.2559** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.4554, 0.4034, 0.3914**, and the grayscale version is **28.0454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2551, 0.2545, 0.2720**, and **12.1670, 0.2166, 0.2319** is the 20% darker color. If you saturate the color by 10%, you get **25.4832, 0.2237, 0.2362**, and if you desaturate by 10%, it is **34.8668, 0.2558, 0.2745**.

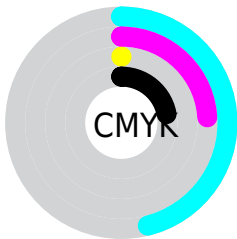
Distribution



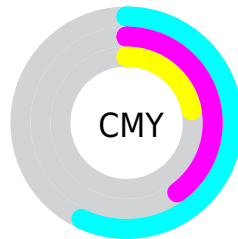
- Red (43%)
- Green (60%)
- Blue (78%)



- Red (43%)
- Yellow (54%)
- Blue (78%)



- Cyan (46%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (57%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8778, 0.2394, 0.2559 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 29.8778, 0.2394, 0.2559 by changing the saturation by 10% instead.

■ 29.8778, 0.2394,
0.2559

■ 29.8778, 0.2394,
0.2559

■ 301.3344, 0.2777,
0.2943

■ 19.7459, 0.2295,
0.2459

■ 59.4689, 0.2536,
0.2702

■ 12.2104, 0.2166,
0.2328

■ 79.6968, 0.2589,
0.2755

■ 6.8872, 0.1993,
0.2151

■ 104.0588, 0.2633,
0.2799

■ 3.3916, 0.1750,
0.1903

■ 132.9393, 0.2670,
0.2836

■ 1.3395, 0.1396,
0.1537

■ 166.7228, 0.2702,
0.2869

■ 0.1714, 0.0379,
0.0542

■ 205.7935, 0.2730,

■ 0.0000, 0.0000,

0.2897

0.0000

250.5359, 0.2755,
0.2921

■ 29.8778, 0.2394,
0.2559

■ 29.8778, 0.2394,
0.2559

■ 25.4832, 0.2237,
0.2362

■ 34.8668, 0.2558,
0.2745

■ 21.6520, 0.2091,
0.2158

■ 40.4723, 0.2723,
0.2918

■ 18.3547, 0.1963,
0.1952

■ 46.7193, 0.2886,
0.3076

■ 15.5569, 0.1857,
0.1752

■ 53.6302, 0.3043,
0.3218

■ 13.2176, 0.1776,
0.1562

■ 61.2262, 0.3193,
0.3345

■ 12.2904, 0.1745,
0.1480

■ 69.5274, 0.3335,
0.3457

■ 78.5530, 0.3467,
0.3556

■ 85.5870, 0.3491,
0.3655

■ 91.8426, 0.3470,
0.3755

Harmonies

Analogous

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



29.8778, 0.2261, 0.2761



29.8778, 0.2394, 0.2559



29.8778, 0.2714, 0.2544

Triad

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



29.8778, 0.2394, 0.2559



29.8778, 0.3986, 0.3343



29.8778, 0.3031, 0.4006

Complementary

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



29.8778, 0.2394, 0.2559



37.4554, 0.4034, 0.3914

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.



29.8778, 0.3500, 0.4152



29.8778, 0.2394, 0.2559



29.8778, 0.4073, 0.3719

Square

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



29.8778, 0.2394, 0.2559



29.8778, 0.3644, 0.2980



29.8778, 0.3887, 0.4025



29.8778, 0.2608, 0.3612

Rectangle

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



29.8778, 0.2394, 0.2559



29.8778, 0.3008, 0.2629



29.8778, 0.3887, 0.4025



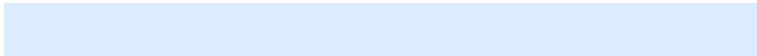
29.8778, 0.3188, 0.4087

Sweetspot

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



29.8789, 0.2394, 0.2559



82.4305, 0.2907, 0.3096



46.9466, 0.2777, 0.3956



17.1088, 0.2872, 0.3063



0.0000, 0.0000, 0.0000



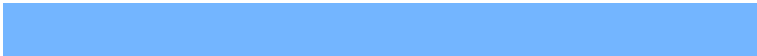
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8789, 0.2394, 0.2559



43.9473, 0.2233, 0.2357



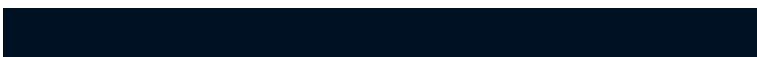
18.4340, 0.2287, 0.1885



11.1015, 0.2983, 0.3165



7.9927, 0.1752, 0.1506



0.5232, 0.1861, 0.1899

Inverse Universe

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



25.4659, 0.3749, 0.2732



36.8059, 0.3965, 0.2620



54.4725, 0.3782, 0.4401



10.7191, 0.3217, 0.3181



8.3469, 0.5052, 0.2557



0.4098, 0.4569, 0.2290

Previews

White Background



This preview shows how the Yxy color 29.8778, 0.2394, 0.2559 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 29.8778, 0.2394, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

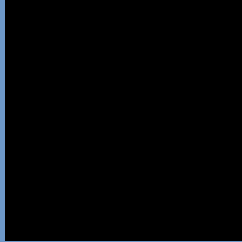
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

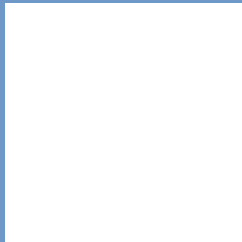
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8778, 0.2394, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 29.8778, 0.2394, 0.2559.



This preview shows how white text looks on a background with the Yxy color 29.8778, 0.2394, 0.2559.

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

29.8778, 0.2394, 0.2559

Protanopia

29.6942, 0.2600, 0.2553

Deuteranopia

29.6803, 0.2541, 0.2486



Tritanopia

29.7255, 0.2539, 0.3072

Trichromacy



Original Color

29.8778, 0.2394, 0.2559

Protanomaly

29.6466, 0.2525, 0.2557

Deuteranomaly

29.6819, 0.2483, 0.2503

Tritanomaly

29.6625, 0.2481, 0.2869

Monochromacy



Original Color

29.8778, 0.2394, 0.2559

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8020, 0.2818, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8778, 0.2394, 0.2559 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(109, 152, 200)` looks like.

```
.text, #text, p{  
    color:rgb(109, 152, 200)  
}
```

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(109, 152, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 152, 200) }
```

Border

The CSS property to change the border of an element to Yxy 29.8778, 0.2394, 0.2559 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(109, 152, 200) }
```

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

```
.border{ border-color:rgb(109, 152, 200) }
```

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

Here you see how a box with a 4 pixel rgb(109, 152, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 152, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 152, 200);  
box-shadow:4px 4px 4px 4px rgb(109, 152,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8778, 0.2394, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 152, 200) }
```

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

```
.background{ background-color: rgb(109,  
152, 200) }
```

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