

Converting Colors

$Yxy(21.9451, 0.2150, 0.2615)$

Have a look what the booklet for
Yxy(21.9451, 0.2150, 0.2615)
contains.

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Color

Yxy(21.8764, 0.2150, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	2F8AAF
RGB	47, 138, 175
RGB Percent	18%, 54%, 69%
CMY	0.8157, 0.4588, 0.3136
CMYK	0.73, 0.21, 0.00, 0.31
HSL	197°, 58%, 44%
HSV	197°, 73%, 69%
XYZ	18.0001, 21.8764, 43.8449
YIQ	115.0090, -66.1130, -7.7850

Conversions

Conversions Part 2

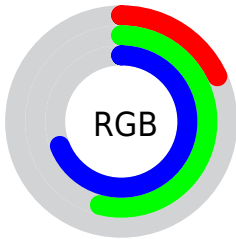
Format	Color
R _Y B	47, 100, 175
Decimal	3115695
CIE Lab	53.90, -14.14, -27.18
CIE LCh	54, 30.639, 242.512
Yxy	21.8764, 0.2150, 0.2613
Android (android.graphics.Color)	4281305775 (0xFF2F8AAF)
YUV	115.0090, 29.5756, -59.6439
Hunter-Lab	46.7722, -13.1564, -22.8387

Details

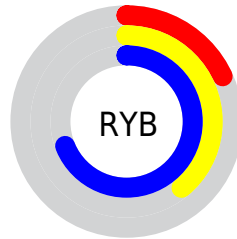
The Yxy color **21.8764, 0.2150, 0.2613** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **15.6659, 0.5134, 0.3764**, and the grayscale version is **17.0709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3461, 0.2346, 0.2754**, and **8.3846, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **20.1226, 0.2071, 0.2505**, and if you desaturate by 10%, it is **23.8662, 0.2248, 0.2721**.

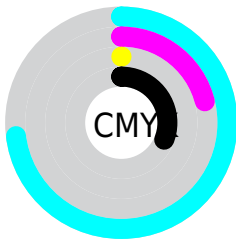
Distribution



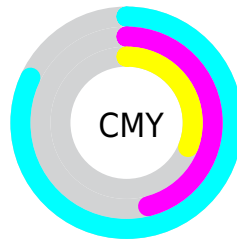
- Red (18%)
- Green (54%)
- Blue (69%)



- Red (18%)
- Yellow (39%)
- Blue (69%)



- Cyan (73%)
- Magenta (21%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8764, 0.2150, 0.2613 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 21.8764, 0.2150, 0.2613 by changing the saturation by 10% instead.

■ 21.8764, 0.2150,
0.2613

■ 21.8764, 0.2150,
0.2613

261.9001, 0.2677,
0.2997

■ 13.7661, 0.2008,
0.2502

■ 46.5416, 0.2350,
0.2764

■ 7.9582, 0.1821,
0.2349

■ 63.8654, 0.2422,
0.2817

■ 4.0682, 0.1566,
0.2132

■ 85.0290, 0.2483,
0.2861

■ 1.7118, 0.1208,
0.1802

■ 110.4170, 0.2534,
0.2897

■ 0.4313, 0.0177,
0.1179

■ 140.4137, 0.2577,
0.2928

■ 0.0000, 0.0000,
0.0000

175.4035, 0.2615,

0.2954

215.7709, 0.2648,
0.2977

■ 21.8764, 0.2150,
0.2613

■ 21.8764, 0.2150,
0.2613

■ 20.1226, 0.2071,
0.2505

■ 23.8662, 0.2248,
0.2721

■ 18.5803, 0.2012,
0.2397

■ 26.1083, 0.2363,
0.2826

■ 17.6144, 0.1979,
0.2324

■ 28.6201, 0.2491,
0.2927

■ 31.4162, 0.2631,
0.3022

■ 34.5102, 0.2777,
0.3111

■ 37.9145, 0.2928,
0.3193

■ 41.6408, 0.3079,
0.3268

■ 45.7003, 0.3230,
0.3335

■ 50.1032, 0.3377,
0.3396

Harmonies

Analogous

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



21.8764, 0.2184, 0.3007



21.8764, 0.2150, 0.2613



21.8764, 0.2343, 0.2433

Triad

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



21.8764, 0.2150, 0.2613



21.8764, 0.3823, 0.3009



21.8764, 0.3445, 0.4290

Complementary

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



21.8764, 0.2150, 0.2613



15.6659, 0.5134, 0.3764

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.



21.8764, 0.3924, 0.4184



21.8764, 0.2150, 0.2613



21.8764, 0.4170, 0.3428

Square

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



21.8764, 0.2150, 0.2613



21.8764, 0.3284, 0.2666



21.8764, 0.4201, 0.3851



21.8764, 0.2904, 0.4058

Rectangle

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



21.8764, 0.2150, 0.2613



21.8764, 0.2589, 0.2429



21.8764, 0.4201, 0.3851



21.8764, 0.3619, 0.4289

Sweetspot

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



21.8772, 0.2150, 0.2613



62.2355, 0.2789, 0.3118



31.9034, 0.2850, 0.5030



13.4926, 0.2749, 0.3095



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.8772, 0.2150, 0.2613



34.2271, 0.2031, 0.2436



8.6963, 0.1848, 0.1408



8.6748, 0.2986, 0.3223



12.7194, 0.1982, 0.2336



0.4416, 0.2072, 0.2659

Inverse Universe

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



12.9844, 0.3781, 0.2108



19.9892, 0.3978, 0.2026



30.2788, 0.4346, 0.4589



8.1080, 0.3180, 0.3130



7.5871, 0.4089, 0.2026



0.2199, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 21.8764, 0.2150, 0.2613 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 21.8764, 0.2150, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

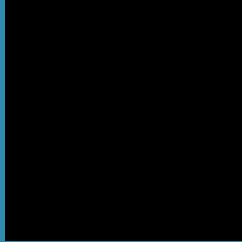
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8764, 0.2150, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 21.8764, 0.2150, 0.2613.

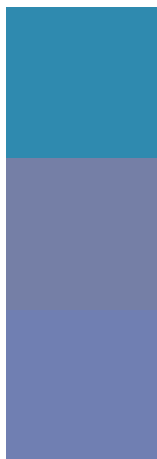


This preview shows how white text looks on a background with the Yxy color 21.8764, 0.2150, 0.2613.

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

21.8764, 0.2150, 0.2613

Protanopia

21.7138, 0.2639, 0.2628

Deuteranopia

21.8378, 0.2498, 0.2445



Tritanopia

21.9071, 0.2232, 0.3070

Trichromacy



Original Color

21.8764, 0.2150, 0.2613

Protanomaly

21.3725, 0.2411, 0.2616

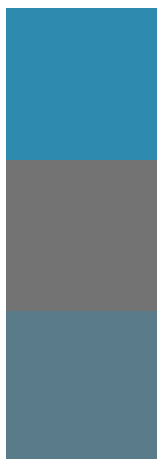
Deuteranomaly

21.4816, 0.2328, 0.2491

Tritanomaly

21.9980, 0.2202, 0.2903

Monochromacy



Original Color

21.8764, 0.2150, 0.2613

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1457, 0.2623, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8764, 0.2150, 0.2613 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(47, 138, 175)` looks like.

```
.text, #text, p{  
  color:rgb(47, 138, 175)  
}
```

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(47, 138, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 138, 175) }
```

Border

The CSS property to change the border of an element to Yxy 21.8764, 0.2150, 0.2613 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(47, 138, 175) }
```

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

```
.border{ border-color:rgb(47, 138, 175) }
```

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

Here you see how a box with a 4 pixel rgb(47, 138, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 138, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 138, 175);  
box-shadow:4px 4px 4px 4px rgb(47, 138,  
175) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8764, 0.2150, 0.2613$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 138, 175) }
```

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

```
.background{ background-color: rgb(47, 138,  
175) }
```

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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