

Converting Colors

$Y_{xy}(21.7506, 0.2768, 0.2774)$

Have a look what the booklet for
Yxy(21.7506, 0.2768, 0.2774)
contains.

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Color

Yxy(21.7506, 0.2768, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	7A7F9D
RGB	122, 127, 157
RGB Percent	48%, 50%, 62%
CMY	0.5215, 0.5020, 0.3843
CMYK	0.22, 0.19, 0.00, 0.38
HSL	231°, 15%, 55%
HSV	231°, 22%, 62%
XYZ	21.7036, 21.7506, 34.9546
YIQ	128.9250, -12.6100, 8.2700

Conversions

Conversions Part 2

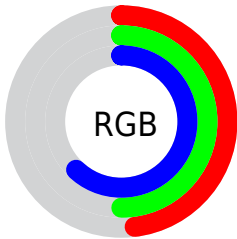
Format	Color
R_{YB}	122, 126, 157
Decimal	8028061
CIE _{Lab}	53.76, 4.91, -16.67
CIE _{LCh}	54, 17.376, 286.429
Yxy	21.7506, 0.2768, 0.2774
Android (android.graphics.Color)	4286218141 (0xFF7A7F9D)
YUV	128.9250, 13.8410, -6.0732
Hunter-Lab	46.6375, 1.4523, -11.7913

Details

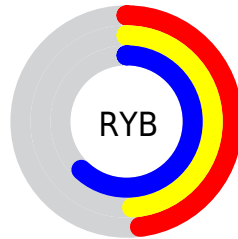
The Yxy color $21.7506, 0.2768, 0.2774$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $31.0405, 0.3469, 0.3758$, and the grayscale version is $21.8808, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.5099, 0.2846, 0.2885$, and $7.9059, 0.2628, 0.2574$ is the 20% darker color. If you saturate the color by 10%, you get $17.4470, 0.2584, 0.2500$, and if you desaturate by 10%, it is $26.7062, 0.2939, 0.3022$.

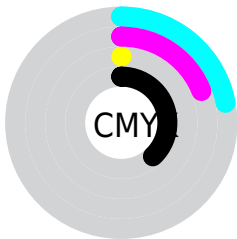
Distribution



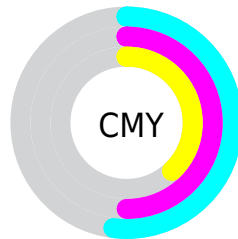
- Red (48%)
- Green (50%)
- Blue (62%)



- Red (48%)
- Yellow (49%)
- Blue (62%)



- Cyan (22%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



- Cyan (52%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7506, 0.2768, 0.2774 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 21.7506, 0.2768, 0.2774 by changing the saturation by 10% instead.

■ 21.7506, 0.2768,
0.2774

■ 21.7506, 0.2768,
0.2774

261.2411, 0.2970,
0.3058

■ 13.6738, 0.2709,
0.2693

■ 46.3334, 0.2847,
0.2884

■ 7.8941, 0.2627,
0.2583

■ 63.6082, 0.2875,
0.2924

■ 4.0273, 0.2507,
0.2424

■ 84.7178, 0.2898,
0.2956

■ 1.6888, 0.2315,
0.2176

110.0465, 0.2917,
0.2983

■ 0.4164, 0.1903,
0.1537

139.9788, 0.2933,
0.3006

■ 0.0000, 0.0000,
0.0000

174.8991, 0.2947,

0.3026

215.1917, 0.2959,
0.3043

■ 21.7506, 0.2768,
0.2774

■ 21.7506, 0.2768,
0.2774

■ 17.4470, 0.2584,
0.2500

■ 26.7062, 0.2939,
0.3022

■ 13.7655, 0.2390,
0.2204

■ 32.3367, 0.3094,
0.3243

■ 10.6779, 0.2193,
0.1895

■ 38.6672, 0.3233,
0.3438

■ 8.1526, 0.2004,
0.1587

■ 45.7207, 0.3357,
0.3607

■ 6.1554, 0.1833,
0.1296

■ 53.5190, 0.3466,
0.3754

■ 4.6477, 0.1692,
0.1042

■ 62.0833, 0.3562,
0.3882

■ 3.5859, 0.1591,
0.0842

■ 71.4336, 0.3647,
0.3992

■ 3.0209, 0.1535,
0.0727

■ 81.5895, 0.3722,
0.4087

■ 90.9560, 0.3729,
0.4190

Harmonies

Analogous

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



21.7506, 0.2586, 0.2835



21.7506, 0.2768, 0.2774



21.7506, 0.3052, 0.2839

Triad

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



21.7506, 0.2768, 0.2774



21.7506, 0.3749, 0.3509



21.7506, 0.2874, 0.3596

Complementary

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



21.7506, 0.2768, 0.2774



31.0405, 0.3469, 0.3758

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.



21.7506, 0.3178, 0.3801



21.7506, 0.2768, 0.2774



21.7506, 0.3691, 0.3730

Square

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



21.7506, 0.2768, 0.2774



21.7506, 0.3630, 0.3249



21.7506, 0.3478, 0.3845



21.7506, 0.2645, 0.3302

Rectangle

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



21.7506, 0.2768, 0.2774



21.7506, 0.3265, 0.2943



21.7506, 0.3478, 0.3845



21.7506, 0.2970, 0.3679

Sweetspot

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



21.7515, 0.2768, 0.2774



52.8607, 0.3021, 0.3140



30.5139, 0.2847, 0.3376



11.5150, 0.3013, 0.3128



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.7515, 0.2768, 0.2774



34.7721, 0.2673, 0.2633



21.4490, 0.2894, 0.2708



6.5799, 0.2988, 0.3092



2.4884, 0.1538, 0.0736



0.0826, 0.1677, 0.1237

Inverse Universe

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



22.6252, 0.3505, 0.3211



36.7328, 0.3623, 0.3191



31.5194, 0.3326, 0.3853



6.6608, 0.3263, 0.3258



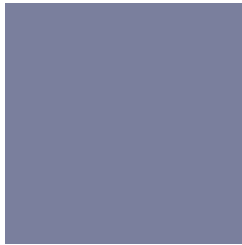
5.8734, 0.6173, 0.3174



0.1089, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 21.7506, 0.2768, 0.2774 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 21.7506, 0.2768, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

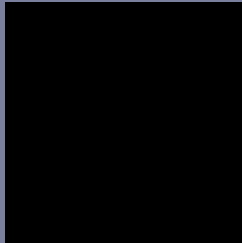
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

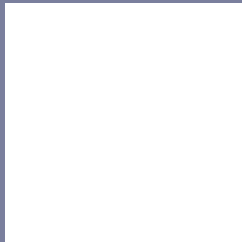
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7506, 0.2768, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 21.7506, 0.2768, 0.2774.



This preview shows how white text looks on a background with the Yxy color 21.7506, 0.2768, 0.2774.

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

21.7506, 0.2768, 0.2774

Protanopia

21.7506, 0.2768, 0.2774

Deuteranopia

21.7917, 0.2808, 0.2763



Tritanopia

21.7807, 0.2901, 0.3109

Trichromacy



Original Color

21.7506, 0.2768, 0.2774

Protanomaly

21.7506, 0.2768, 0.2774

Deuteranomaly

21.7160, 0.2798, 0.2761

Tritanomaly

21.7689, 0.2853, 0.2988

Monochromacy



Original Color

21.7506, 0.2768, 0.2774

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7380, 0.2988, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7506, 0.2768, 0.2774 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, 127, 157)` looks like.

```
.text, #text, p{  
    color:rgb(122, 127, 157)  
}
```

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, 127, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 127, 157) }
```

Border

The CSS property to change the border of an element to Yxy 21.7506, 0.2768, 0.2774 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, 127, 157) }
```

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

```
.border{ border-color:rgb(122, 127, 157) }
```

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

Here you see how a box with a 4 pixel rgb(122, 127, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 127, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 127, 157);  
box-shadow:4px 4px 4px 4px rgb(122, 127,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7506, 0.2768, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 127, 157) }
```

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

```
.background{ background-color: rgb(122,  
127, 157) }
```

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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