

Converting Colors

$Y_{xy}(21.1232, 0.2886, 0.3102)$

Have a look what the booklet for
Yxy(21.1232, 0.2886, 0.3102)
contains.

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Color

Yxy(21.0154, 0.2878, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	74808B
RGB	116, 128, 139
RGB Percent	45%, 50%, 55%
CMY	0.5449, 0.4981, 0.4549
CMYK	0.17, 0.08, 0.00, 0.45
HSL	209°, 9%, 50%
HSV	209°, 17%, 55%
XYZ	19.5862, 21.0154, 27.4534
YIQ	125.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

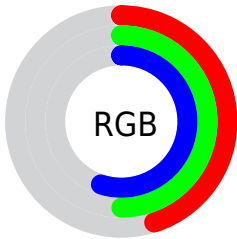
Format	Color
R_{YB}	116, 124, 139
Decimal	7635083
CIE _{Lab}	52.97, -1.94, -7.44
CIE _{LCh}	53, 7.691, 255.399
Yxy	21.0154, 0.2878, 0.3088
Android (android.graphics.Color)	4285825163 (0xFF74808B)
YUV	125.6660, 6.5737, -8.4771
Hunter-Lab	45.8426, -3.9603, -3.4168

Details

The Yxy color **21.0154, 0.2878, 0.3088** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.9457, 0.3397, 0.3484**, and the grayscale version is **20.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1783, 0.2935, 0.3143**, and **7.5422, 0.2786, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **18.4507, 0.2722, 0.2948**, and if you desaturate by 10%, it is **23.8388, 0.3031, 0.3215**.

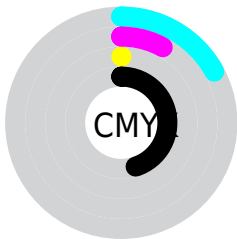
Distribution



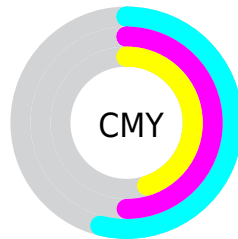
- Red (45%)
- Green (50%)
- Blue (55%)



- Red (45%)
- Yellow (49%)
- Blue (55%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (45%)



- Cyan (54%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0154, 0.2878, 0.3088 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 21.0154, 0.2878, 0.3088 by changing the saturation by 10% instead.

■ 21.0154, 0.2878,
0.3088

■ 21.0154, 0.2878,
0.3088

■ 257.3603, 0.3018,
0.3203

■ 13.1353, 0.2836,
0.3054

■ 45.1132, 0.2933,
0.3134

■ 7.5218, 0.2778,
0.3005

■ 62.0996, 0.2953,
0.3149

■ 3.7905, 0.2692,
0.2932

■ 82.8902, 0.2969,
0.3162

■ 1.5571, 0.2548,
0.2810

■ 107.8694, 0.2982,
0.3173

■ 0.3284, 0.1800,
0.2232

■ 137.4217, 0.2993,
0.3182

■ 0.0000, 0.0000,
0.0000

171.9313, 0.3003,

0.3190

211.7827, 0.3011,
0.3197

■ 21.0154, 0.2878,
0.3088

■ 21.0154, 0.2878,
0.3088

■ 18.4507, 0.2722,
0.2948

■ 23.8388, 0.3031,
0.3215

■ 16.1336, 0.2565,
0.2796

■ 26.9262, 0.3178,
0.3328

■ 14.0559, 0.2411,
0.2633

■ 30.2862, 0.3318,
0.3429

■ 12.2079, 0.2264,
0.2459

■ 33.9262, 0.3450,
0.3519

■ 10.5791, 0.2128,
0.2280

■ 37.8531, 0.3574,
0.3598

■ 9.1580, 0.2008,
0.2098

■ 42.0736, 0.3690,
0.3667

■ 7.9316, 0.1907,
0.1917

■ 46.5942, 0.3798,
0.3728

■ 6.8796, 0.1828,
0.1743

■ 51.4213, 0.3898,
0.3781

■ 6.5413, 0.1801,
0.1683

■ 56.5609, 0.3991,
0.3828

Harmonies

Analogous

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



21.0154, 0.2860, 0.3179



21.0154, 0.2878, 0.3088



21.0154, 0.2962, 0.3053

Triad

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



21.0154, 0.2878, 0.3088



21.0154, 0.3348, 0.3271



21.0154, 0.3158, 0.3514

Complementary

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



21.0154, 0.2878, 0.3088



21.9457, 0.3397, 0.3484

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.



21.0154, 0.3291, 0.3535



21.0154, 0.2878, 0.3088



21.0154, 0.3403, 0.3392

Square

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



21.0154, 0.2878, 0.3088



21.0154, 0.3233, 0.3158



21.0154, 0.3382, 0.3489



21.0154, 0.3019, 0.3428

Rectangle

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



21.0154, 0.2878, 0.3088



21.0154, 0.3045, 0.3064



21.0154, 0.3382, 0.3489



21.0154, 0.3205, 0.3529

Sweetspot

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



21.0163, 0.2878, 0.3088



43.4374, 0.3052, 0.3231



23.7098, 0.3002, 0.3514



9.9326, 0.3042, 0.3224



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.0163, 0.2878, 0.3088



35.7799, 0.2817, 0.3035



18.2578, 0.2869, 0.2877



5.2945, 0.2991, 0.3183



5.9375, 0.1803, 0.1690



0.0688, 0.2010, 0.2437

Inverse Universe

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



19.5483, 0.3278, 0.3081



32.7005, 0.3321, 0.3030



24.9987, 0.3368, 0.3672



5.0892, 0.3205, 0.3177



5.3836, 0.4819, 0.2428



0.0387, 0.3986, 0.1969

Previews

White Background



This preview shows how the Yxy color 21.0154, 0.2878, 0.3088 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 21.0154, 0.2878, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

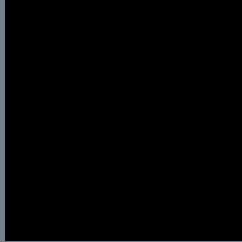
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

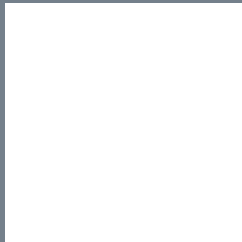
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0154, 0.2878, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 21.0154, 0.2878, 0.3088.



This preview shows how white text looks on a background with the Yxy color 21.0154, 0.2878, 0.3088.

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

21.0154, 0.2878, 0.3088

Protanopia

20.8333, 0.2997, 0.3075

Deuteranopia

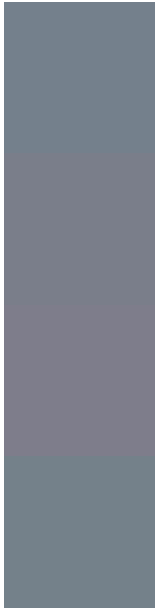
20.9649, 0.3046, 0.2994



Tritanopia

20.9863, 0.2888, 0.3106

Trichromacy



Original Color

21.0154, 0.2878, 0.3088

Protanomaly

20.8943, 0.2953, 0.3073

Deuteranomaly

20.9963, 0.2977, 0.3024

Tritanomaly

20.9863, 0.2888, 0.3106

Monochromacy



Original Color

21.0154, 0.2878, 0.3088

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9550, 0.3026, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0154, 0.2878, 0.3088 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(116, 128, 139)` looks like.

```
.text, #text, p{  
    color:rgb(116, 128, 139)  
}
```

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(116, 128, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 128, 139) }
```

Border

The CSS property to change the border of an element to Yxy 21.0154, 0.2878, 0.3088 is called "border". The border property can be set on classes, ids or directly on the HTML element.

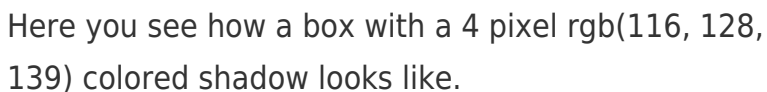
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 128, 139) }
```

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

```
.border{ border-color:rgb(116, 128, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 128, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 128, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 128, 139); box-shadow:4px 4px 4px 4px rgb(116, 128, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0154, 0.2878, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 128, 139) }
```

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

```
.background{ background-color: rgb(116,  
128, 139) }
```

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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