

Converting Colors

$Y_{xy}(14.9985, 0.2786, 0.2881)$

Have a look what the booklet for
Yxy(14.9985, 0.2786, 0.2881)
contains.

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Color

Yxy(14.9930, 0.2788, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	646C80
RGB	100, 108, 128
RGB Percent	39%, 42%, 50%
CMY	0.6079, 0.5765, 0.4980
CMYK	0.22, 0.16, 0.00, 0.50
HSL	223°, 12%, 45%
HSV	223°, 22%, 50%
XYZ	14.5141, 14.9930, 22.5520
YIQ	107.8880, -11.1880, 4.5240

Conversions

Conversions Part 2

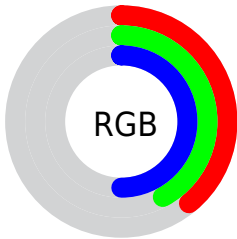
Format	Color
R_{YB}	100, 106, 128
Decimal	6581376
CIE Lab	45.62, 1.63, -12.08
CIE LCh	46, 12.193, 277.674
Yxy	14.9930, 0.2788, 0.2880
Android (android.graphics.Color)	4284771456 (0xFF646C80)
YUV	107.8880, 9.9152, -6.9178
Hunter-Lab	38.7208, -0.8527, -7.4274

Details

The Yxy color **14.9930, 0.2788, 0.2880** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.9413, 0.3471, 0.3669**, and the grayscale version is **14.9374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7118, 0.2867, 0.2970**, and **4.6589, 0.2635, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **12.4921, 0.2617, 0.2659**, and if you desaturate by 10%, it is **17.8120, 0.2950, 0.3080**.

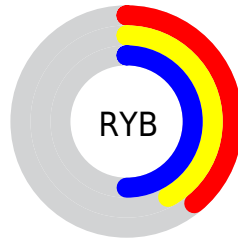
Distribution



Red (39%)

Green (42%)

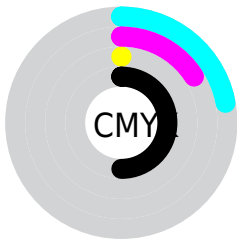
Blue (50%)



Red (39%)

Yellow (42%)

Blue (50%)

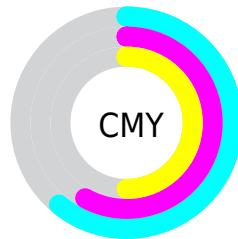


Cyan (22%)

Magenta (16%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (58%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9930, 0.2788, 0.2880 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 14.9930, 0.2788, 0.2880 by changing the saturation by 10% instead.

■ 14.9930, 0.2788,
0.2880

■ 14.9930, 0.2788,
0.2880

■ 223.3238, 0.2988,
0.3121

■ 8.8145, 0.2724,
0.2804

■ 34.8409, 0.2870,
0.2978

■ 4.6204, 0.2630,
0.2693

■ 49.2791, 0.2898,
0.3012

■ 2.0263, 0.2481,
0.2519

■ 67.2392, 0.2920,
0.3038

■ 0.6227, 0.2184,
0.2153

■ 89.1058, 0.2939,
0.3061

■ 0.0000, 0.0000,
0.0000

■ 115.2631, 0.2954,
0.3079

■ 146.0957, 0.2967,

0.3095

181.9878, 0.2979,
0.3109

■ 14.9930, 0.2788,
0.2880

■ 14.9930, 0.2788,
0.2880

■ 12.4921, 0.2617,
0.2659

■ 17.8120, 0.2950,
0.3080

■ 10.2959, 0.2441,
0.2420

■ 20.9582, 0.3100,
0.3259

■ 8.3927, 0.2263,
0.2166

■ 24.4425, 0.3239,
0.3417

■ 6.7694, 0.2092,
0.1905

■ 28.2750, 0.3365,
0.3557

■ 5.4117, 0.1934,
0.1645

■ 32.4650, 0.3480,
0.3679

■ 4.3040, 0.1797,
0.1397

■ 37.0217, 0.3584,
0.3786

■ 3.4286, 0.1689,
0.1175

■ 41.9540, 0.3678,
0.3879

■ 2.8570, 0.1616,
0.1015

■ 47.2702, 0.3763,
0.3960

■ 52.9786, 0.3839,
0.4031

Harmonies

Analogous

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



14.9930, 0.2671, 0.2963



14.9930, 0.2788, 0.2880



14.9930, 0.2997, 0.2902

Triad

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



14.9930, 0.2788, 0.2880



14.9930, 0.3606, 0.3409



14.9930, 0.2994, 0.3588

Complementary

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



14.9930, 0.2788, 0.2880



18.9413, 0.3471, 0.3669

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.



14.9930, 0.3243, 0.3716



14.9930, 0.2788, 0.2880



14.9930, 0.3603, 0.3599

Square

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



14.9930, 0.2788, 0.2880



14.9930, 0.3475, 0.3199



14.9930, 0.3467, 0.3716



14.9930, 0.2787, 0.3371

Rectangle

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



14.9930, 0.2788, 0.2880



14.9930, 0.3164, 0.2970



14.9930, 0.3467, 0.3716



14.9930, 0.3076, 0.3644

Sweetspot

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



14.9936, 0.2788, 0.2880



33.9001, 0.3022, 0.3167



19.4947, 0.2898, 0.3458



7.8792, 0.3015, 0.3159



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



14.9936, 0.2788, 0.2880



24.2511, 0.2708, 0.2778



13.7117, 0.2849, 0.2722



4.3965, 0.2993, 0.3132



2.8349, 0.1616, 0.1016



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7858, 0.3429, 0.3136



23.9091, 0.3513, 0.3101



20.5262, 0.3372, 0.3823



4.3629, 0.3237, 0.3229



4.6807, 0.5735, 0.2933



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.9930, 0.2788, 0.2880 looks on a white 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

Black Background



This preview shows how the Yxy color 14.9930, 0.2788, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

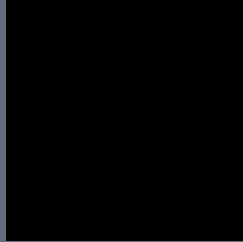
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

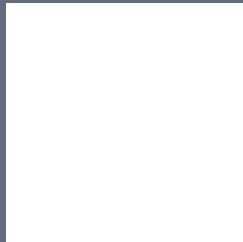
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.9930, 0.2788, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 14.9930, 0.2788, 0.2880.

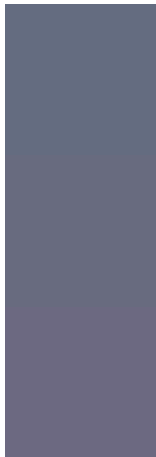


This preview shows how white text looks on a background with the Yxy color 14.9930, 0.2788, 0.2880.

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

14.9930, 0.2788, 0.2880

Protanopia

14.9908, 0.2847, 0.2884

Deuteranopia

14.8763, 0.2872, 0.2811



Tritanopia

15.0565, 0.2877, 0.3120

Trichromacy



Original Color

14.9930, 0.2788, 0.2880

Protanomaly

14.9313, 0.2834, 0.2882

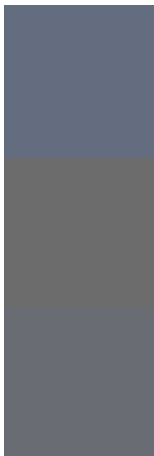
Deuteranomaly

14.8963, 0.2836, 0.2827

Tritanomaly

14.9951, 0.2843, 0.3018

Monochromacy



Original Color

14.9930, 0.2788, 0.2880

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.9662, 0.3000, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9930, 0.2788, 0.2880 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(100, 108, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 108, 128)  
}
```

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(100, 108, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 108, 128) }
```

Border

The CSS property to change the border of an element to Yxy 14.9930, 0.2788, 0.2880 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(100, 108, 128) }
```

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

```
.border{ border-color:rgb(100, 108, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 108, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 108, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 108, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 108,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9930, 0.2788, 0.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 108, 128) }
```

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

```
.background{ background-color: rgb(100,  
108, 128) }
```

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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