

Converting Colors

$Y_{xy}(19.6339, 0.2854, 0.3280)$

Have a look what the booklet for
Yxy(19.6339, 0.2854, 0.3280)
contains.

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Color

Yxy(19.6208, 0.2846, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	677F80
RGB	103, 127, 128
RGB Percent	40%, 50%, 50%
CMY	0.5962, 0.5019, 0.4981
CMYK	0.20, 0.01, 0.00, 0.50
HSL	182°, 11%, 45%
HSV	182°, 20%, 50%
XYZ	17.0767, 19.6208, 23.3050
YIQ	119.9380, -14.6250, -4.7770

Conversions

Conversions Part 2

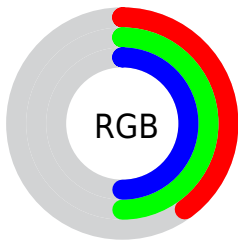
Format	Color
R_{YB}	103, 115, 128
Decimal	6782848
CIE _{Lab}	51.41, -8.41, -3.42
CIE _{LCh}	51, 9.075, 202.130
Yxy	19.6208, 0.2846, 0.3270
Android (android.graphics.Color)	4284972928 (0xFF677F80)
YUV	119.9380, 3.9746, -14.8546
Hunter-Lab	44.2954, -8.7018, -0.1873

Details

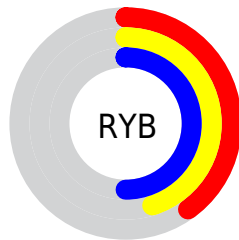
The Yxy color **19.6208, 0.2846, 0.3270** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4597, 0.3489, 0.3310**, and the grayscale version is **18.7511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9473, 0.2912, 0.3275**, and **6.8255, 0.2726, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **18.7928, 0.2715, 0.3259**, and if you desaturate by 10%, it is **20.5669, 0.2987, 0.3281**.

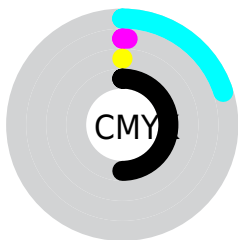
Distribution



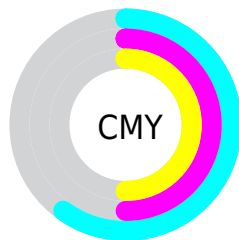
- Red (40%)
- Green (50%)
- Blue (50%)



- Red (40%)
- Yellow (45%)
- Blue (50%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



- Cyan (60%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6208, 0.2846, 0.3270 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 19.6208, 0.2846, 0.3270 by changing the saturation by 10% instead.

■ 19.6208, 0.2846,
0.3270

■ 19.6208, 0.2846,
0.3270

■ 249.8548, 0.3006,
0.3283

■ 12.1197, 0.2798,
0.3265

■ 42.7805, 0.2910,
0.3276

■ 6.8253, 0.2730,
0.3258

■ 59.2079, 0.2932,
0.3277

■ 3.3531, 0.2627,
0.3246

■ 79.3795, 0.2950,
0.3279

■ 1.3187, 0.2454,
0.3221

■ 103.6798, 0.2965,
0.3280

■ 0.1556, 0.0000,
0.2759

■ 132.4930, 0.2977,
0.3281

■ 0.0000, 0.0000,
0.0000

166.2037, 0.2988,

0.3282

205.1962, 0.2998,
0.3282

■ 19.6208, 0.2846,
0.3270

■ 19.6208, 0.2846,
0.3270

■ 18.7928, 0.2715,
0.3259

■ 20.5669, 0.2987,
0.3281

■ 18.0752, 0.2595,
0.3247

■ 21.6337, 0.3134,
0.3290

■ 17.4632, 0.2490,
0.3235

■ 22.8265, 0.3286,
0.3299

■ 16.9506, 0.2402,
0.3222

■ 24.1498, 0.3439,
0.3308

■ 16.5306, 0.2330,
0.3209

■ 25.6077, 0.3592,
0.3315

■ 16.1957, 0.2276,
0.3197

■ 27.2042, 0.3742,
0.3321

■ 15.9368, 0.2240,
0.3184

■ 28.9431, 0.3889,
0.3327

■ 15.7273, 0.2215,
0.3172

■ 30.8282, 0.4031,
0.3332

■ 15.7178, 0.2214,
0.3171

■ 32.8629, 0.4167,
0.3336

Harmonies

Analogous

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



19.6208, 0.2963, 0.3426



19.6208, 0.2846, 0.3270



19.6208, 0.2803, 0.3125

Triad

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



19.6208, 0.2846, 0.3270



19.6208, 0.3122, 0.3053



19.6208, 0.3416, 0.3549

Complementary

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



19.6208, 0.2846, 0.3270



15.4597, 0.3489, 0.3310

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.



19.6208, 0.3463, 0.3441



19.6208, 0.2846, 0.3270



19.6208, 0.3290, 0.3159

Square

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



19.6208, 0.2846, 0.3270



19.6208, 0.2959, 0.3006



19.6208, 0.3416, 0.3299



19.6208, 0.3292, 0.3589

Rectangle

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



19.6208, 0.2846, 0.3270



19.6208, 0.2821, 0.3055



19.6208, 0.3416, 0.3299



19.6208, 0.3442, 0.3519

Sweetspot

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



19.6216, 0.2846, 0.3270



36.8329, 0.3036, 0.3284



19.3134, 0.3094, 0.3783



8.6012, 0.3029, 0.3284



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.



19.6216, 0.2846, 0.3270



33.9472, 0.2792, 0.3266



16.6225, 0.2832, 0.3022



4.8589, 0.2993, 0.3281



15.5888, 0.2214, 0.3171



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.8174, 0.3162, 0.2845



26.1110, 0.3169, 0.2752



18.1314, 0.3446, 0.3544



4.4096, 0.3143, 0.3085



5.9682, 0.3306, 0.1595



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.6208, 0.2846, 0.3270 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 19.6208, 0.2846, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

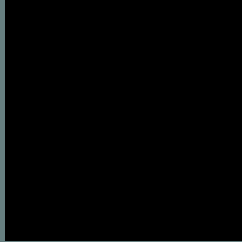
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6208, 0.2846, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 19.6208, 0.2846, 0.3270.



This preview shows how white text looks on a background with the Yxy color 19.6208, 0.2846, 0.3270.

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

19.6208, 0.2846, 0.3270

Protanopia

19.6848, 0.3118, 0.3234

Deuteranopia

19.6307, 0.3149, 0.3093



Tritanopia

19.7025, 0.2788, 0.3098

Trichromacy



Original Color

19.6208, 0.2846, 0.3270

Protanomaly

19.6347, 0.3010, 0.3252

Deuteranomaly

19.5690, 0.3037, 0.3160

Tritanomaly

19.5582, 0.2807, 0.3154

Monochromacy



Original Color

19.6208, 0.2846, 0.3270

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1734, 0.3019, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6208, 0.2846, 0.3270 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(103, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 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(103, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 128) }
```

Border

The CSS property to change the border of an element to Yxy 19.6208, 0.2846, 0.3270 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(103, 127, 128) }
```

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

```
.border{ border-color:rgb(103, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 127, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 127, 128); box-shadow:4px 4px 4px 4px rgb(103, 127, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6208, 0.2846, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 128) }
```

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

```
.background{ background-color: rgb(103,  
127, 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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