

Converting Colors

$Y_{xy}(20.0930, 0.2770, 0.3503)$

Have a look what the booklet for
Yxy(20.0930, 0.2770, 0.3503)
contains.

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Color

$\text{Yxy}(20.0315, 0.2769, 0.3492)$

Conversions

Conversions Part 1

Format	Color
Hex	59847A
RGB	89, 132, 122
RGB Percent	35%, 52%, 48%
CMY	0.6510, 0.4823, 0.5215
CMYK	0.33, 0.00, 0.08, 0.48
HSL	166°, 19%, 43%
HSV	166°, 33%, 52%
XYZ	15.8841, 20.0315, 21.4484
YIQ	118.0030, -22.4180, -12.2260

Conversions

Conversions Part 2

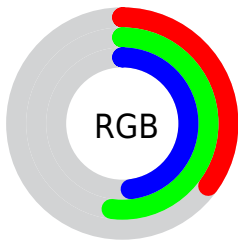
Format	Color
RYB	89, 113, 132
Decimal	5866618
CIELab	51.87, -17.15, 0.65
CIElCh	52, 17.159, 177.823
Yxy	20.0315, 0.2769, 0.3492
Android (android.graphics.Color)	4284056698 (0xFF59847A)
YUV	118.0030, 1.9705, -25.4356
Hunter-Lab	44.7566, -14.9744, 2.9164

Details

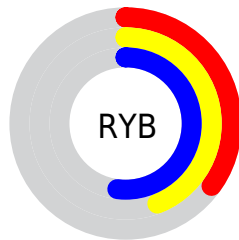
The Yxy color **20.0315, 0.2769, 0.3492** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.9490, 0.3672, 0.3100**, and the grayscale version is **18.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3294, 0.2849, 0.3448**, and **6.9667, 0.2621, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **19.3621, 0.2677, 0.3565**, and if you desaturate by 10%, it is **20.8220, 0.2871, 0.3424**.

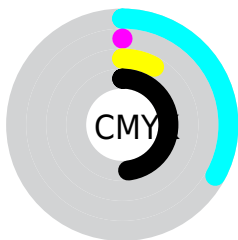
Distribution



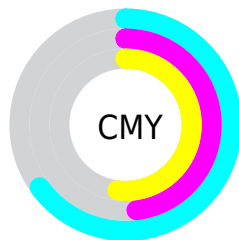
- Red (35%)
- Green (52%)
- Blue (48%)



- Red (35%)
- Yellow (44%)
- Blue (52%)



- Cyan (33%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0315, 0.2769, 0.3492 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 20.0315, 0.2769, 0.3492 by changing the saturation by 10% instead.

■ 20.0315, 0.2769,
0.3492

■ 20.0315, 0.2769,
0.3492

■ 252.0856, 0.2973,
0.3377

■ 12.4179, 0.2707,
0.3527

■ 43.4700, 0.2850,
0.3446

■ 7.0290, 0.2621,
0.3577

■ 60.0637, 0.2879,
0.3430

■ 3.4802, 0.2489,
0.3652

■ 80.4196, 0.2902,
0.3417

■ 1.3873, 0.2265,
0.3782

■ 104.9221, 0.2921,
0.3406

■ 0.2073, 0.0000,
0.5350

■ 133.9555, 0.2937,
0.3397

■ 0.0000, 0.0000,
0.0000

167.9043, 0.2951,

0.3389

207.1529, 0.2963,
0.3383

■ 20.0315, 0.2769,
0.3492

■ 20.0315, 0.2769,
0.3492

■ 19.3621, 0.2677,
0.3565

■ 20.8220, 0.2871,
0.3424

■ 18.8051, 0.2599,
0.3642

■ 21.7371, 0.2981,
0.3361

■ 18.3545, 0.2536,
0.3722

■ 22.7828, 0.3097,
0.3304

■ 18.0026, 0.2491,
0.3804

■ 23.9645, 0.3215,
0.3252

■ 17.7407, 0.2463,
0.3887

■ 25.2868, 0.3335,
0.3206

■ 17.5587, 0.2454,
0.3970

■ 26.7544, 0.3454,
0.3164

■ 17.4502, 0.2453,
0.4031

■ 28.3717, 0.3571,
0.3128

■ 30.1428, 0.3685,
0.3096

■ 32.0719, 0.3796,
0.3068

Harmonies

Analogous

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



20.0315, 0.3057, 0.3747



20.0315, 0.2769, 0.3492



20.0315, 0.2581, 0.3187

Triad

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



20.0315, 0.2769, 0.3492



20.0315, 0.2863, 0.2777



20.0315, 0.3758, 0.3605

Complementary

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



20.0315, 0.2769, 0.3492



12.9490, 0.3672, 0.3100

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.



20.0315, 0.3704, 0.3348



20.0315, 0.2769, 0.3492



20.0315, 0.3174, 0.2887

Square

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



20.0315, 0.2769, 0.3492



20.0315, 0.2633, 0.2789



20.0315, 0.3486, 0.3091



20.0315, 0.3633, 0.3797

Rectangle

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



20.0315, 0.2769, 0.3492



20.0315, 0.2533, 0.3006



20.0315, 0.3486, 0.3091



20.0315, 0.3760, 0.3523

Sweetspot

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



20.0323, 0.2769, 0.3492



38.7020, 0.3008, 0.3347



19.8785, 0.3196, 0.4179



8.9611, 0.2994, 0.3354



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.0323, 0.2769, 0.3492



34.4050, 0.2701, 0.3545



17.3508, 0.2652, 0.3055



5.2609, 0.3021, 0.3341



16.8962, 0.2453, 0.4030



0.0596, 0.2345, 0.3642

Inverse Universe

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



12.9490, 0.3672, 0.3100



19.9341, 0.3849, 0.3056



14.8296, 0.3771, 0.3512



4.7051, 0.3246, 0.3240



4.8444, 0.5917, 0.3033



0.0178, 0.4919, 0.2484

Previews

White Background



This preview shows how the Yxy color 20.0315, 0.2769, 0.3492 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 20.0315, 0.2769, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

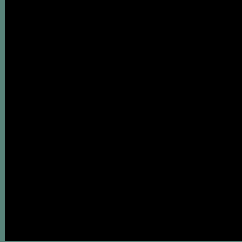
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0315, 0.2769, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 20.0315, 0.2769, 0.3492.

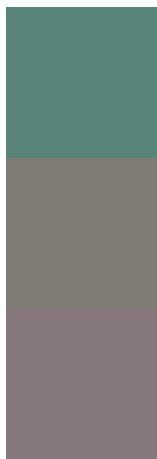


This preview shows how white text looks on a background with the Yxy color 20.0315, 0.2769, 0.3492.

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

20.0315, 0.2769, 0.3492

Protanopia

19.9623, 0.3245, 0.3401

Deuteranopia

19.7427, 0.3245, 0.3183



Tritanopia

19.9211, 0.2640, 0.3075

Trichromacy



Original Color

20.0315, 0.2769, 0.3492

Protanomaly

19.7643, 0.3050, 0.3425

Deuteranomaly

19.7221, 0.3055, 0.3290

Tritanomaly

19.9340, 0.2694, 0.3229

Monochromacy



Original Color

20.0315, 0.2769, 0.3492

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6236, 0.2981, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0315, 0.2769, 0.3492 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(89, 132, 122)` looks like.

```
.text, #text, p{  
    color:rgb(89, 132, 122)  
}
```

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(89, 132, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 132, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.0315, 0.2769, 0.3492 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(89, 132, 122) }
```

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

```
.border{ border-color:rgb(89, 132, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 132, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 132, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 132, 122);  
box-shadow:4px 4px 4px 4px rgb(89, 132,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0315, 0.2769, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 132, 122) }
```

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

```
.background{ background-color: rgb(89, 132,  
122) }
```

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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