

Converting Colors

$Yxy(20.4509, 0.2627, 0.3488)$

Have a look what the booklet for
Yxy(20.4509, 0.2627, 0.3488)
contains.

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Color

$Y_{xy}(20.3302, 0.2620, 0.3474)$

Conversions

Conversions Part 1

Format	Color
Hex	4B877E
RGB	75, 135, 126
RGB Percent	29%, 53%, 49%
CMY	0.7058, 0.4706, 0.5058
CMYK	0.44, 0.00, 0.07, 0.47
HSL	171°, 29%, 41%
HSV	171°, 44%, 53%
XYZ	15.3325, 20.3302, 22.8583
YIQ	116.0340, -32.8710, -15.5190

Conversions

Conversions Part 2

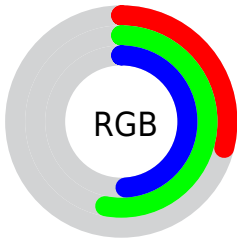
Format	Color
RYB	75, 107, 135
Decimal	4949886
CIELab	52.21, -21.82, -1.27
CIElCh	52, 21.855, 183.319
Yxy	20.3302, 0.2620, 0.3474
Android (android.graphics.Color)	4283139966 (0xFF4B877E)
YUV	116.0340, 4.9132, -35.9868
Hunter-Lab	45.0890, -18.2069, 1.5047

Details

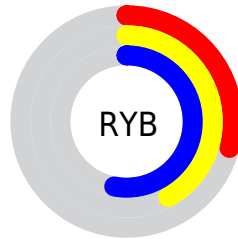
The Yxy color **20.3302, 0.2620, 0.3474** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.8244, 0.4070, 0.3122**, and the grayscale version is **17.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1619, 0.2729, 0.3435**, and **7.1923, 0.2420, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **19.7914, 0.2538, 0.3523**, and if you desaturate by 10%, it is **20.9872, 0.2717, 0.3428**.

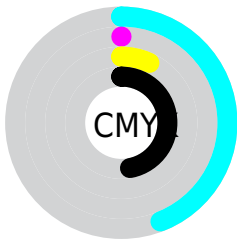
Distribution



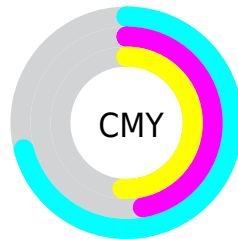
- Red (29%)
- Green (53%)
- Blue (49%)



- Red (29%)
- Yellow (42%)
- Blue (53%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)





- Cyan (71%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3302, 0.2620, 0.3474 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 20.3302, 0.2620, 0.3474 by changing the saturation by 10% instead.


 20.3302, 0.2620,
0.3474


 20.3302, 0.2620,
0.3474


253.6971, 0.2907,
0.3371


 12.6353, 0.2535,
0.3504


 43.9701, 0.2733,
0.3434


 7.1779, 0.2416,
0.3545


 60.6839, 0.2773,
0.3420


 3.5736, 0.2238,
0.3606

 81.1727, 0.2805,
0.3408

 1.4380, 0.1938,
0.3705

 105.8211, 0.2832,
0.3398

 0.2445, 0.0000,
0.4081

 135.0133, 0.2855,
0.3390

 0.0000, 0.0000,
0.0000

169.1338, 0.2875,

0.3383

208.5669, 0.2892,
0.3377

■ 20.3302, 0.2620,
0.3474

■ 20.3302, 0.2620,
0.3474

■ 19.7914, 0.2538,
0.3523

■ 20.9872, 0.2717,
0.3428

■ 19.3610, 0.2472,
0.3573

■ 21.7667, 0.2826,
0.3384

■ 19.0316, 0.2424,
0.3624

■ 22.6757, 0.2944,
0.3343

■ 18.7938, 0.2394,
0.3676


■ 23.7201, 0.3070,
0.3306

■ 18.6351, 0.2381,
0.3727


■ 24.9052, 0.3200,
0.3272

 18.5607, 0.2377,
0.3756

 26.2363, 0.3332,
0.3241

 27.7181, 0.3464,
0.3214

 29.3554, 0.3595,
0.3190

 31.1526, 0.3724,
0.3168

Harmonies

Analogous

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



20.3302, 0.2961, 0.3829



20.3302, 0.2620, 0.3474



20.3302, 0.2419, 0.3085

Triad

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



20.3302, 0.2620, 0.3474



20.3302, 0.2857, 0.2666



20.3302, 0.3913, 0.3731

Complementary

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



20.3302, 0.2620, 0.3474



10.8244, 0.4070, 0.3122

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.



20.3302, 0.3891, 0.3416



20.3302, 0.2620, 0.3474



20.3302, 0.3259, 0.2827

Square

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



20.3302, 0.2620, 0.3474



20.3302, 0.2549, 0.2648



20.3302, 0.3645, 0.3094



20.3302, 0.3714, 0.3958

Rectangle

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



20.3302, 0.2620, 0.3474



20.3302, 0.2382, 0.2873



20.3302, 0.3645, 0.3094



20.3302, 0.3932, 0.3631

Sweetspot

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



20.3310, 0.2620, 0.3474



40.8095, 0.2958, 0.3339



19.7214, 0.3156, 0.4580



9.3710, 0.2934, 0.3346



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.3310, 0.2620, 0.3474



35.4641, 0.2540, 0.3521



15.2810, 0.2473, 0.2843



5.2672, 0.3011, 0.3323



17.1167, 0.2376, 0.3754



0.0601, 0.2307, 0.3506

Inverse Universe

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



10.8244, 0.4070, 0.3122



16.2214, 0.4404, 0.3092



14.0260, 0.4062, 0.3689



4.6993, 0.3257, 0.3258



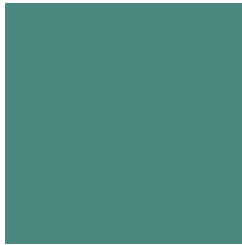
4.7985, 0.6139, 0.3156



0.0173, 0.5329, 0.2709

Previews

White Background



This preview shows how the Yxy color 20.3302, 0.2620, 0.3474 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 20.3302, 0.2620, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

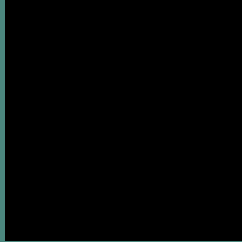
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3302, 0.2620, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 20.3302, 0.2620, 0.3474.

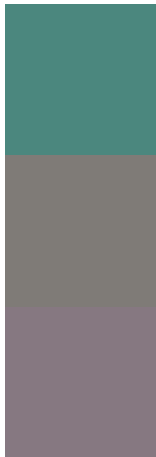


This preview shows how white text looks on a background with the Yxy color 20.3302, 0.2620, 0.3474.

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

20.3302, 0.2620, 0.3474

Protanopia

20.0099, 0.3222, 0.3364

Deuteranopia

20.0863, 0.3197, 0.3131



Tritanopia

20.1912, 0.2513, 0.3072

Trichromacy



Original Color

20.3302, 0.2620, 0.3474

Protanomaly

19.7720, 0.2961, 0.3387

Deuteranomaly

19.7365, 0.2955, 0.3232

Tritanomaly

20.2009, 0.2548, 0.3208

Monochromacy



Original Color

20.3302, 0.2620, 0.3474

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2887, 0.2901, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3302, 0.2620, 0.3474 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(75, 135, 126)` looks like.

```
.text, #text, p{  
    color:rgb(75, 135, 126)  
}
```

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(75, 135, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 135, 126) }
```

Border

The CSS property to change the border of an element to Yxy 20.3302, 0.2620, 0.3474 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(75, 135, 126) }
```

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

```
.border{ border-color:rgb(75, 135, 126) }
```

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

Here you see how a box with a 4 pixel rgb(75, 135, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 135, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 135, 126);  
box-shadow:4px 4px 4px 4px rgb(75, 135,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3302, 0.2620, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 135, 126) }
```

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

```
.background{ background-color: rgb(75, 135,  
126) }
```

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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