

Converting Colors

$Y_{xy}(20.4395, 0.3167, 0.3796)$

Have a look what the booklet for
Yxy(20.4395, 0.3167, 0.3796)
contains.

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Color

Yxy(20.3002, 0.3162, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	6E8269
RGB	110, 130, 105
RGB Percent	43%, 51%, 41%
CMY	0.5686, 0.4902, 0.5883
CMYK	0.15, 0.00, 0.19, 0.49
HSL	108°, 11%, 46%
HSV	108°, 19%, 51%
XYZ	16.9633, 20.3002, 16.3839
YIQ	121.1700, -3.8950, -12.0150

Conversions

Conversions Part 2

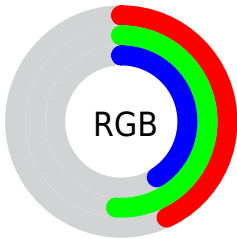
Format	Color
RYB	105, 130, 125
Decimal	7242345
CIELab	52.17, -12.35, 11.17
CIELCh	52, 16.647, 137.877
Yxy	20.3002, 0.3162, 0.3784
Android (android.graphics.Color)	4285432425 (0xFF6E8269)
YUV	121.1700, -7.9718, -9.7961
Hunter-Lab	45.0557, -11.6429, 9.9790

Details

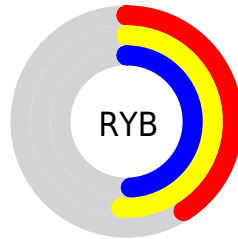
The Yxy color $20.3002, 0.3162, 0.3784$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.0691, 0.3081, 0.2824$, and the grayscale version is $19.2063, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9487, 0.3160, 0.3671$, and $7.2145, 0.3162, 0.4007$ is the 20% darker color. If you saturate the color by 10%, you get $19.4262, 0.3176, 0.4079$, and if you desaturate by 10%, it is $21.2949, 0.3145, 0.3515$.

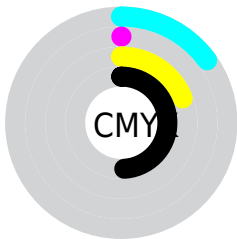
Distribution



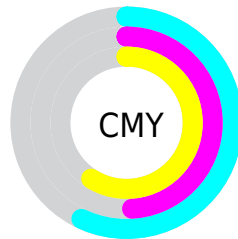
- Red (43%)
- Green (51%)
- Blue (41%)



- Red (41%)
- Yellow (51%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (49%)




- Cyan (57%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3002, 0.3162, 0.3784 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 20.3002, 0.3162, 0.3784 by changing the saturation by 10% instead.


 20.3002, 0.3162,
0.3784


 20.3002, 0.3162,
0.3784


253.5357, 0.3146,
0.3496


 12.6134, 0.3165,
0.3874


 43.9199, 0.3157,
0.3667


 7.1629, 0.3167,
0.4005


 60.6217, 0.3155,
0.3627

 3.5642, 0.3166,
0.4210

 81.0972, 0.3153,
0.3595

 1.4329, 0.3178,
0.4612

 105.7310, 0.3151,
0.3568

 0.2408, 0.0000,
1.0000

134.9073, 0.3149,
0.3546

 0.0000, 0.0000,
0.0000

169.0106, 0.3148,

0.3527

208.4252, 0.3147,
0.3510

■ 20.3002, 0.3162,
0.3784

■ 20.3002, 0.3162,
0.3784

■ 19.4262, 0.3176,
0.4079

■ 21.2949, 0.3145,
0.3515

■ 18.6657, 0.3186,
0.4393

■ 22.4120, 0.3126,
0.3273

■ 18.0149, 0.3190,
0.4718

■ 23.6565, 0.3106,
0.3058

■ 17.4684, 0.3185,
0.5039

■ 25.0321, 0.3086,
0.2868

■ 17.0208, 0.3172,
0.5337

■ 26.5427, 0.3067,
0.2702

■ 16.6657, 0.3148,
0.5591

■ 28.1918, 0.3048,
0.2557

■ 16.3964, 0.3117,
0.5784

■ 29.9827, 0.3031,
0.2429

■ 16.1998, 0.3085,
0.5923

■ 31.9190, 0.3014,
0.2318

■ 16.1871, 0.3084,
0.5934

■ 34.0036, 0.2998,
0.2220

Harmonies

Analogous

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



20.3002, 0.3459, 0.3836



20.3002, 0.3162, 0.3784



20.3002, 0.2866, 0.3577

Triad

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



20.3002, 0.3162, 0.3784



20.3002, 0.2602, 0.2838



20.3002, 0.3630, 0.3262

Complementary

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



20.3002, 0.3162, 0.3784



16.0691, 0.3081, 0.2824

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.



20.3002, 0.3379, 0.3025



20.3002, 0.3162, 0.3784



20.3002, 0.2787, 0.2784

Square

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



20.3002, 0.3162, 0.3784



20.3002, 0.2552, 0.3016



20.3002, 0.3068, 0.2853



20.3002, 0.3738, 0.3517

Rectangle

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



20.3002, 0.3162, 0.3784



20.3002, 0.2707, 0.3387



20.3002, 0.3068, 0.2853



20.3002, 0.3559, 0.3178

Sweetspot

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



20.3011, 0.3162, 0.3784



38.0893, 0.3139, 0.3437



20.3268, 0.3421, 0.3653



8.5991, 0.3140, 0.3449



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.



20.3011, 0.3162, 0.3784



35.0670, 0.3169, 0.3907



20.1393, 0.3030, 0.3646



4.8572, 0.3144, 0.3511



15.5231, 0.3085, 0.5933



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0691, 0.3081, 0.2824



26.2219, 0.3069, 0.2716



16.2735, 0.3240, 0.2958



4.3701, 0.3108, 0.3075



4.3620, 0.2720, 0.1272



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.3002, 0.3162, 0.3784 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 20.3002, 0.3162, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

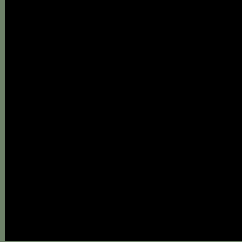
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

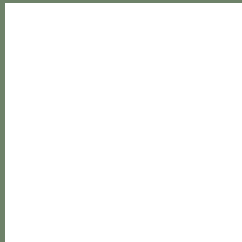
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3002, 0.3162, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 20.3002, 0.3162, 0.3784.



This preview shows how white text looks on a background with the Yxy color 20.3002, 0.3162, 0.3784.

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

20.3002, 0.3162, 0.3784

Protanopia

20.1999, 0.3471, 0.3697

Deuteranopia

20.2453, 0.3569, 0.3521



Tritanopia

20.3441, 0.2895, 0.3104

Trichromacy



Original Color

20.3002, 0.3162, 0.3784

Protanomaly

20.1119, 0.3351, 0.3728

Deuteranomaly

20.2017, 0.3411, 0.3624

Tritanomaly

20.1701, 0.2986, 0.3328

Monochromacy



Original Color

20.3002, 0.3162, 0.3784

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4350, 0.3143, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3002, 0.3162, 0.3784 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(110, 130, 105)` looks like.

```
.text, #text, p{  
    color:rgb(110, 130, 105)  
}
```

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(110, 130, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 130, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.3002, 0.3162, 0.3784 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(110, 130, 105) }
```

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

```
.border{ border-color:rgb(110, 130, 105) }
```

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

Here you see how a box with a 4 pixel rgb(110, 130, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 130, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 130, 105);  
box-shadow:4px 4px 4px 4px rgb(110, 130,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3002, 0.3162, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 130, 105) }
```

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

```
.background{ background-color: rgb(110,  
130, 105) }
```

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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