

Converting Colors

$Y_{xy}(20.6063, 0.2952, 0.3776)$

Have a look what the booklet for
Yxy(20.6063, 0.2952, 0.3776)
contains.

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Color

$\text{Yxy}(20.6628, 0.2954, 0.3776)$

Conversions

Conversions Part 1	
Format	Color
Hex	60866E
RGB	96, 134, 110
RGB Percent	38%, 53%, 43%
CMY	0.6235, 0.4745, 0.5685
CMYK	0.28, 0.00, 0.18, 0.47
HSL	142°, 17%, 45%
HSV	142°, 28%, 53%
XYZ	16.1647, 20.6628, 17.8939
YIQ	119.9020, -14.9440, -15.5200

Conversions

Conversions Part 2

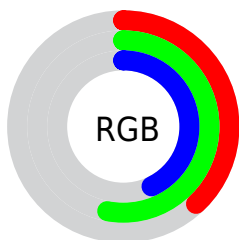
Format	Color
RYB	96, 124, 134
Decimal	6325870
CIELab	52.58, -18.58, 8.69
CIELCh	53, 20.507, 154.932
Yxy	20.6628, 0.2954, 0.3776
Android (android.graphics.Color)	4284515950 (0xFF60866E)
YUV	119.9020, -4.8817, -20.9621
Hunter-Lab	45.4564, -16.0724, 8.4799

Details

The Yxy color $20.6628, 0.2954, 0.3776$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $14.7909, 0.3354, 0.2850$, and the grayscale version is $18.7701, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3523, 0.2990, 0.3650$, and $7.3168, 0.2879, 0.4005$ is the 20% darker color. If you saturate the color by 10%, you get $19.8221, 0.2900, 0.3982$, and if you desaturate by 10%, it is $21.6467, 0.3013, 0.3588$.

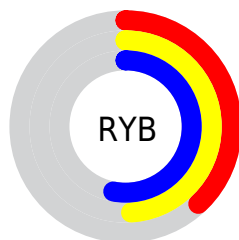
Distribution



Red (38%)

Green (53%)

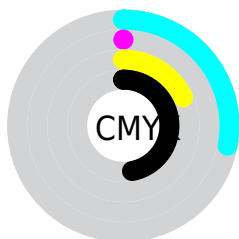
Blue (43%)



Red (38%)

Yellow (49%)

Blue (53%)

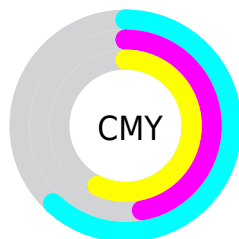


Cyan (28%)

Magenta (0%)

Yellow (18%)

Black (47%)



Cyan (62%)


Magenta (47%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6628, 0.2954, 0.3776 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 20.6628, 0.2954, 0.3776 by changing the saturation by 10% instead.


 20.6628, 0.2954,
0.3776


 20.6628, 0.2954,
0.3776


255.4810, 0.3056,
0.3492


 12.8777, 0.2921,
0.3865


 44.5257, 0.2996,
0.3661

 7.3444, 0.2873,
0.3995


 61.3723, 0.3010,
0.3621

 3.6784, 0.2797,
0.4199


 82.0082, 0.3021,
0.3590

 1.4953, 0.2658,
0.4567

 106.8177, 0.3031,
0.3563

 0.2855, 0.0000,
1.0000

136.1854, 0.3039,
0.3541


 0.0000, 0.0000,
0.0000


170.4956, 0.3045,


0.3523


210.1327, 0.3051,
0.3506

 20.6628, 0.2954,
0.3776


 20.6628, 0.2954,
0.3776


 19.8221, 0.2900,
0.3982


 21.6467, 0.3013,
0.3588


 19.1153, 0.2853,
0.4203

 22.7776, 0.3075,
0.3418


 18.5358, 0.2817,
0.4436

 24.0621, 0.3137,
0.3266

 18.0756, 0.2795,
0.4674


 25.5060, 0.3199,
0.3132


 17.7257, 0.2788,
0.4909


 27.1145, 0.3259,
0.3014

 17.4757, 0.2798,
0.5132

 28.8927, 0.3317,
0.2910

 17.3020, 0.2821,
0.5337

 30.8454, 0.3373,
0.2820

 17.2757, 0.2825,
0.5370

 32.9772, 0.3425,
0.2740

 35.2927, 0.3474,
0.2671

Harmonies

Analogous

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



20.6628, 0.3328, 0.3954



20.6628, 0.2954, 0.3776



20.6628, 0.2639, 0.3442

Triad

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



20.6628, 0.2954, 0.3776



20.6628, 0.2598, 0.2685



20.6628, 0.3846, 0.3427

Complementary

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



20.6628, 0.2954, 0.3776



14.7909, 0.3354, 0.2850

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.



20.6628, 0.3627, 0.3123



20.6628, 0.2954, 0.3776



20.6628, 0.2895, 0.2709

Square

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



20.6628, 0.2954, 0.3776



20.6628, 0.2444, 0.2812



20.6628, 0.3272, 0.2867



20.6628, 0.3856, 0.3719

Rectangle

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



20.6628, 0.2954, 0.3776



20.6628, 0.2501, 0.3197



20.6628, 0.3272, 0.2867



20.6628, 0.3794, 0.3324

Sweetspot

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



20.6637, 0.2954, 0.3776



39.9531, 0.3070, 0.3431



21.8929, 0.3368, 0.4009



8.9418, 0.3062, 0.3452



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.



20.6637, 0.2954, 0.3776



35.4311, 0.2919, 0.3906



21.1206, 0.2776, 0.3388



5.2311, 0.3070, 0.3430



16.1917, 0.2823, 0.5364



0.0574, 0.2593, 0.4535

Inverse Universe

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



14.7909, 0.3354, 0.2850



23.3206, 0.3420, 0.2748



14.3762, 0.3638, 0.3196



4.7345, 0.3189, 0.3154



5.3602, 0.4372, 0.2182



0.0200, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 20.6628, 0.2954, 0.3776 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 20.6628, 0.2954, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

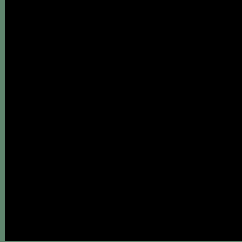
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6628, 0.2954, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 20.6628, 0.2954, 0.3776.



This preview shows how white text looks on a background with the Yxy color 20.6628, 0.2954, 0.3776.

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

20.6628, 0.2954, 0.3776

Protanopia

20.5927, 0.3445, 0.3657

Deuteranopia

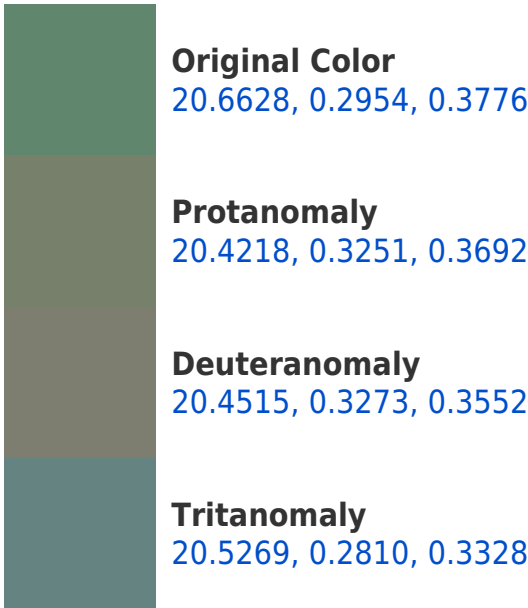
20.6178, 0.3490, 0.3431



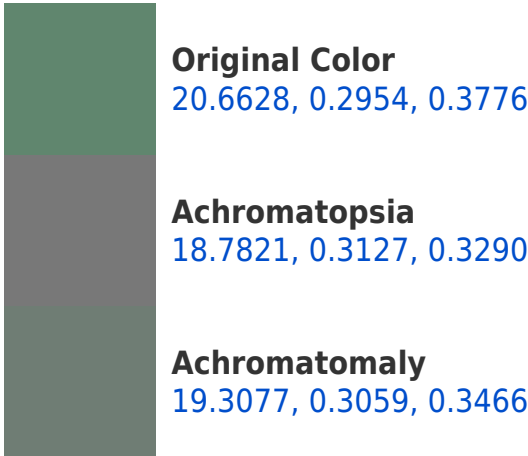
Tritanopia

20.6835, 0.2727, 0.3100

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6628, 0.2954, 0.3776 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(96, 134, 110) looks like.

```
.text, #text, p{  
    color:rgb(96, 134, 110)  
}
```

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(96, 134, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 134, 110) }
```

Border

The CSS property to change the border of an element to Yxy 20.6628, 0.2954, 0.3776 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(96, 134, 110) }
```

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

```
.border{ border-color:rgb(96, 134, 110) }
```

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

Here you see how a box with a 4 pixel rgb(96, 134, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 134, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 134, 110);  
box-shadow:4px 4px 4px 4px rgb(96, 134,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6628, 0.2954, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 134, 110) }
```

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

```
.background{ background-color: rgb(96, 134,  
110) }
```

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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