

Converting Colors

$Y_{xy}(20.1606, 0.2874, 0.3892)$

Have a look what the booklet for
Yxy(20.1606, 0.2874, 0.3892)
contains.

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Color

$\text{Yxy}(20.2534, 0.2873, 0.3900)$

Conversions

Conversions Part 1

Format	Color
Hex	54876A
RGB	84, 135, 106
RGB Percent	33%, 53%, 42%
CMY	0.6707, 0.4706, 0.5843
CMYK	0.38, 0.00, 0.21, 0.47
HSL	146°, 23%, 43%
HSV	146°, 38%, 53%
XYZ	14.9200, 20.2534, 16.7584
YIQ	116.4450, -21.0870, -19.8310

Conversions

Conversions Part 2

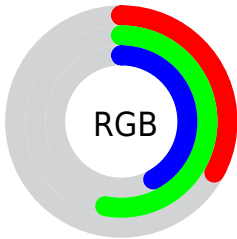
Format	Color
R_{YB}	84, 120, 135
Decimal	5539690
CIE _{Lab}	52.12, -23.91, 10.27
CIE _{LCh}	52, 26.024, 156.754
Yxy	20.2534, 0.2873, 0.3900
Android (android.graphics.Color)	4283729770 (0xFF54876A)
YUV	116.4450, -5.1494, -28.4543
Hunter-Lab	45.0038, -19.5789, 9.4244

Details

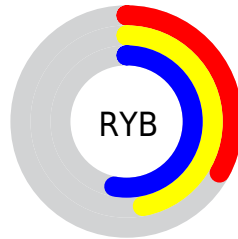
The Yxy color $20.2534, 0.2873, 0.3900$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.6804, 0.3506, 0.2754$, and the grayscale version is $17.6287, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0638, 0.2941, 0.3763$, and $7.1701, 0.2755, 0.4175$ is the 20% darker color. If you saturate the color by 10%, you get $19.5378, 0.2820, 0.4098$, and if you desaturate by 10%, it is $21.1051, 0.2935, 0.3716$.

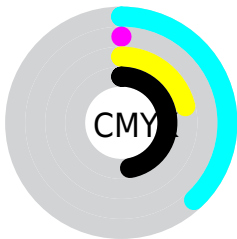
Distribution



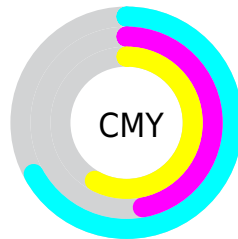
- Red (33%)
- Green (53%)
- Blue (42%)



- Red (33%)
- Yellow (47%)
- Blue (53%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (47%)



- Cyan (67%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2534, 0.2873, 0.3900 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 20.2534, 0.2873, 0.3900 by changing the saturation by 10% instead.


 20.2534, 0.2873,
0.3900


 20.2534, 0.2873,
0.3900

253.2836, 0.3023,
0.3541

 12.5794, 0.2824,
0.4015


 43.8416, 0.2935,
0.3753

 7.1395, 0.2753,
0.4183


 60.5246, 0.2956,
0.3703


 3.5495, 0.2639,
0.4450

 80.9794, 0.2973,
0.3663

 1.4249, 0.2419,
0.4982

 105.5903, 0.2986,
0.3630

 0.2350, 0.0000,
1.0000

 134.7418, 0.2998,
0.3602

 0.0000, 0.0000,
0.0000

168.8183, 0.3008,

0.3579

208.2041, 0.3016,
0.3558

■ 20.2534, 0.2873,
0.3900

■ 20.2534, 0.2873,
0.3900

■ 19.5378, 0.2820,
0.4098

■ 21.1051, 0.2935,
0.3716

■ 18.9484, 0.2778,
0.4306

■ 22.0970, 0.3002,
0.3549

■ 18.4780, 0.2750,
0.4521


■ 23.2363, 0.3072,
0.3397

■ 18.1177, 0.2740,
0.4736


■ 24.5288, 0.3143,
0.3262


■ 17.8571, 0.2747,
0.4945

■ 25.9802, 0.3214,
0.3141

 17.6748, 0.2769,
0.5142

 27.5956, 0.3283,
0.3035

 17.6381, 0.2774,
0.5185

 29.3801, 0.3350,
0.2942

 31.3386, 0.3414,
0.2860

 33.4756, 0.3475,
0.2788

Harmonies

Analogous

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



20.2534, 0.3345, 0.4144



20.2534, 0.2873, 0.3900



20.2534, 0.2488, 0.3452

Triad

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



20.2534, 0.2873, 0.3900



20.2534, 0.2477, 0.2527



20.2534, 0.4057, 0.3474

Complementary

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



20.2534, 0.2873, 0.3900



12.6804, 0.3506, 0.2754

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.



20.2534, 0.3790, 0.3096



20.2534, 0.2873, 0.3900



20.2534, 0.2855, 0.2572

Square

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



20.2534, 0.2873, 0.3900



20.2534, 0.2276, 0.2665



20.2534, 0.3337, 0.2776



20.2534, 0.4047, 0.3841

Rectangle

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



20.2534, 0.2873, 0.3900



20.2534, 0.2326, 0.3134



20.2534, 0.3337, 0.2776



20.2534, 0.3996, 0.3346

Sweetspot

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



20.2542, 0.2873, 0.3900



40.8733, 0.3047, 0.3447



21.5299, 0.3411, 0.4277



9.4105, 0.3039, 0.3465



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.



20.2542, 0.2873, 0.3900



35.1971, 0.2829, 0.4061



20.8457, 0.2654, 0.3374



5.2357, 0.3062, 0.3416



16.2653, 0.2772, 0.5178



0.0578, 0.2545, 0.4361

Inverse Universe

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



12.6804, 0.3506, 0.2754



19.6780, 0.3623, 0.2639



12.1969, 0.3932, 0.3212



4.7298, 0.3198, 0.3167



5.2432, 0.4619, 0.2318



0.0196, 0.3877, 0.1910

Previews

White Background



This preview shows how the Yxy color 20.2534, 0.2873, 0.3900 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 20.2534, 0.2873, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

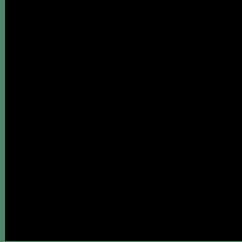
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2534, 0.2873, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 20.2534, 0.2873, 0.3900.



This preview shows how white text looks on a background with the Yxy color 20.2534, 0.2873, 0.3900.

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

20.2534, 0.2873, 0.3900

Protanopia

20.1607, 0.3495, 0.3735

Deuteranopia

19.9605, 0.3535, 0.3468



Tritanopia

20.1637, 0.2624, 0.3076

Trichromacy



Original Color

20.2534, 0.2873, 0.3900

Protanomaly

19.9751, 0.3245, 0.3801

Deuteranomaly

19.7430, 0.3258, 0.3617

Tritanomaly

20.1849, 0.2715, 0.3369

Monochromacy



Original Color

20.2534, 0.2873, 0.3900

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2788, 0.3021, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2534, 0.2873, 0.3900 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(84, 135, 106)` looks like.

```
.text, #text, p{  
    color:rgb(84, 135, 106)  
}
```

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(84, 135, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 135, 106) }
```

Border

The CSS property to change the border of an element to Yxy 20.2534, 0.2873, 0.3900 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(84, 135, 106) }
```

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

```
.border{ border-color:rgb(84, 135, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 135, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 135, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 135, 106); box-shadow:4px 4px 4px 4px rgb(84, 135, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2534, 0.2873, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 135, 106) }
```

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

```
.background{ background-color: rgb(84, 135,  
106) }
```

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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