

Converting Colors

$Y_{xy}(20.0935, 0.2954, 0.3683)$

Have a look what the booklet for
Yxy(20.0935, 0.2954, 0.3683)
contains.

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Color

Yxy(19.9991, 0.2954, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	628370
RGB	98, 131, 112
RGB Percent	38%, 51%, 44%
CMY	0.6158, 0.4862, 0.5607
CMYK	0.25, 0.00, 0.15, 0.49
HSL	146°, 14%, 45%
HSV	146°, 25%, 51%
XYZ	16.0755, 19.9991, 18.3448
YIQ	118.9670, -13.5690, -12.9050

Conversions

Conversions Part 2

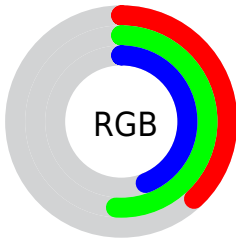
Format	Color
R_{YB}	98, 121, 131
Decimal	6456176
CIE _{Lab}	51.84, -15.89, 6.50
CIE _{LCh}	52, 17.164, 157.759
Yxy	19.9991, 0.2954, 0.3675
Android (android.graphics.Color)	4284646256 (0xFF628370)
YUV	118.9670, -3.4347, -18.3881
Hunter-Lab	44.7204, -14.0959, 6.9829

Details

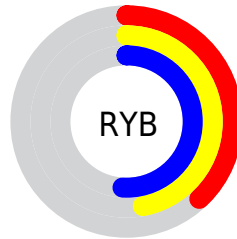
The Yxy color $19.9991, 0.2954, 0.3675$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $14.8385, 0.3349, 0.2935$, and the grayscale version is $18.4496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3509, 0.2991, 0.3578$, and $6.9331, 0.2874, 0.3845$ is the 20% darker color. If you saturate the color by 10%, you get $19.1693, 0.2892, 0.3856$, and if you desaturate by 10%, it is $20.9639, 0.3021, 0.3510$.

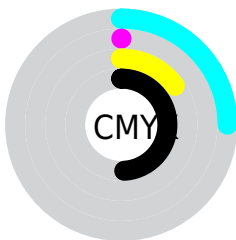
Distribution



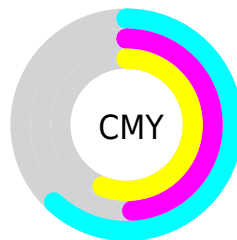
- Red (38%)
- Green (51%)
- Blue (44%)



- Red (38%)
- Yellow (47%)
- Blue (51%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)



- Cyan (62%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9991, 0.2954, 0.3675 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 19.9991, 0.2954, 0.3675 by changing the saturation by 10% instead.

■ 19.9991, 0.2954,
0.3675

■ 19.9991, 0.2954,
0.3675

251.9102, 0.3055,
0.3451

■ 12.3944, 0.2922,
0.3746

■ 43.4157, 0.2995,
0.3584

■ 7.0129, 0.2876,
0.3848

■ 59.9963, 0.3009,
0.3553

■ 3.4702, 0.2803,
0.4010

■ 80.3378, 0.3021,
0.3527

■ 1.3818, 0.2670,
0.4302

■ 104.8243, 0.3030,
0.3507

■ 0.2033, 0.0000,
1.0000

133.8405, 0.3038,
0.3489

■ 0.0000, 0.0000,
0.0000

167.7706, 0.3044,

0.3474

206.9990, 0.3050,
0.3462

■ 19.9991, 0.2954,
0.3675

■ 19.9991, 0.2954,
0.3675

■ 19.1693, 0.2892,
0.3856

■ 20.9639, 0.3021,
0.3510

■ 18.4658, 0.2837,
0.4052

■ 22.0669, 0.3091,
0.3361

■ 17.8828, 0.2792,
0.4260

■ 23.3144, 0.3161,
0.3229

■ 17.4132, 0.2761,
0.4475

■ 24.7115, 0.3230,
0.3111

■ 17.0487, 0.2746,
0.4693

■ 26.2629, 0.3298,
0.3007

■ 16.7802, 0.2748,
0.4906

■ 27.9733, 0.3363,
0.2916

■ 16.5942, 0.2768,
0.5107

■ 29.8472, 0.3425,
0.2837

■ 16.5175, 0.2778,
0.5200

■ 31.8888, 0.3484,
0.2767

■ 34.1022, 0.3540,
0.2706

Harmonies

Analogous

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



19.9991, 0.3271, 0.3841



19.9991, 0.2954, 0.3675



19.9991, 0.2693, 0.3391

Triad

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



19.9991, 0.2954, 0.3675



19.9991, 0.2696, 0.2770



19.9991, 0.3742, 0.3437

Complementary

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



19.9991, 0.2954, 0.3675



14.8385, 0.3349, 0.2935

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.



19.9991, 0.3573, 0.3173



19.9991, 0.2954, 0.3675



19.9991, 0.2960, 0.2801

Square

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



19.9991, 0.2954, 0.3675



19.9991, 0.2550, 0.2870



19.9991, 0.3282, 0.2946



19.9991, 0.3735, 0.3679

Rectangle

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



19.9991, 0.2954, 0.3675



19.9991, 0.2581, 0.3187



19.9991, 0.3282, 0.2946



19.9991, 0.3704, 0.3348

Sweetspot

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



19.9999, 0.2954, 0.3675



38.8996, 0.3070, 0.3404



20.9149, 0.3322, 0.3927



8.9937, 0.3060, 0.3423



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.



19.9999, 0.2954, 0.3675



34.9678, 0.2919, 0.3772



20.3951, 0.2797, 0.3343



5.2352, 0.3063, 0.3418



16.2570, 0.2777, 0.5199



0.0577, 0.2550, 0.4379

Inverse Universe

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



14.8385, 0.3349, 0.2935



24.1488, 0.3411, 0.2854



14.4890, 0.3590, 0.3238



4.7302, 0.3197, 0.3166



5.2547, 0.4593, 0.2304



0.0197, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 19.9991, 0.2954, 0.3675 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 19.9991, 0.2954, 0.3675 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

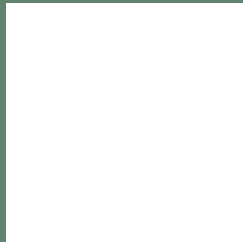
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9991, 0.2954, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 19.9991, 0.2954, 0.3675.



This preview shows how white text looks on a background with the Yxy color 19.9991, 0.2954, 0.3675.

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

19.9991, 0.2954, 0.3675

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.8347, 0.3420, 0.3362



Tritanopia

19.8973, 0.2750, 0.3079

Trichromacy



Original Color

19.9991, 0.2954, 0.3675

Protanomaly

19.8774, 0.3220, 0.3618

Deuteranomaly

19.5918, 0.3230, 0.3460

Tritanomaly

19.7900, 0.2817, 0.3270

Monochromacy



Original Color

19.9991, 0.2954, 0.3675

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8064, 0.3060, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9991, 0.2954, 0.3675 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(98, 131, 112) looks like.

```
.text, #text, p{  
  color:rgb(98, 131, 112)  
}
```

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(98, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 131, 112) }
```

Border

The CSS property to change the border of an element to Yxy 19.9991, 0.2954, 0.3675 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(98, 131, 112) }
```

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

```
.border{ border-color:rgb(98, 131, 112) }
```

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

Here you see how a box with a 4 pixel rgb(98, 131, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(98, 131,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9991, 0.2954, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 131, 112) }
```

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

```
.background{ background-color: rgb(98, 131,  
112) }
```

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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