

Converting Colors

$Y_{xy}(19.7722, 0.2906, 0.4042)$

Have a look what the booklet for
Yxy(19.7722, 0.2906, 0.4042)
contains.

Yxy(19.7004, 0.2908, 0.4043)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7004, 0.2908, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	518663
RGB	81, 134, 99
RGB Percent	32%, 53%, 39%
CMY	0.6824, 0.4745, 0.6118
CMYK	0.40, 0.00, 0.26, 0.47
HSL	140°, 25%, 42%
HSV	140°, 40%, 53%
XYZ	14.1699, 19.7004, 14.8569
YIQ	114.1630, -20.3530, -22.1210

Conversions

Conversions Part 2

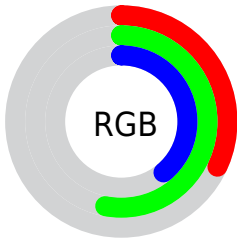
Format	Color
R_{YB}	81, 121, 134
Decimal	5342819
CIE _{Lab}	51.50, -25.81, 13.41
CIE _{LCh}	51, 29.088, 152.548
Y _{xy}	19.7004, 0.2908, 0.4043
Android (android.graphics.Color)	4283532899 (0xFF518663)
YUV	114.1630, -7.4754, -29.0840
Hunter-Lab	44.3851, -20.6882, 11.2236

Details

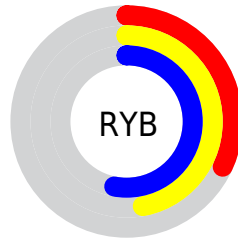
The Yxy color **19.7004, 0.2908, 0.4043** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2144, 0.3448, 0.2645**, and the grayscale version is **16.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1550, 0.2967, 0.3862**, and **6.8799, 0.2795, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **19.0064, 0.2865, 0.4277**, and if you desaturate by 10%, it is **20.5315, 0.2958, 0.3825**.

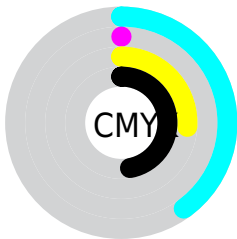
Distribution



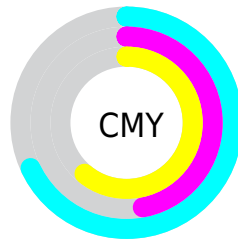
- Red (32%)
- Green (53%)
- Blue (39%)



- Red (32%)
- Yellow (47%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (47%)



- Cyan (68%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7004, 0.2908, 0.4043 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 19.7004, 0.2908, 0.4043 by changing the saturation by 10% instead.


 19.7004, 0.2908,
0.4043


 19.7004, 0.2908,
0.4043


250.2886, 0.3042,
0.3595


 12.1775, 0.2862,
0.4189


 42.9143, 0.2965,
0.3858


 6.8646, 0.2793,
0.4403


 59.3741, 0.2983,
0.3796

 3.3776, 0.2678,
0.4748

 79.5815, 0.2998,
0.3746

 1.3319, 0.2456,
0.5644

 103.9211, 0.3010,
0.3705

 0.1657, 0.0000,
1.0000

 132.7772, 0.3020,
0.3671

 0.0000, 0.0000,
0.0000

166.5342, 0.3029,

0.3642

205.5766, 0.3036,
0.3617

■ 19.7004, 0.2908,
0.4043

■ 19.7004, 0.2908,
0.4043

■ 19.0064, 0.2865,
0.4277

■ 20.5315, 0.2958,
0.3825

■ 18.4394, 0.2833,
0.4521

■ 21.5040, 0.3014,
0.3625

■ 17.9921, 0.2814,
0.4769

■ 22.6253, 0.3071,
0.3444

■ 17.6552, 0.2811,
0.5011

■ 23.9014, 0.3130,
0.3283

■ 17.4179, 0.2824,
0.5238

■ 25.3380, 0.3188,
0.3141

■ 17.2515, 0.2846,
0.5442

■ 26.9404, 0.3244,
0.3015

■ 17.2446, 0.2847,
0.5450

■ 28.7138, 0.3298,
0.2906

■ 30.6632, 0.3349,
0.2810

■ 32.7932, 0.3398,
0.2726

Harmonies

Analogous

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



19.7004, 0.3440, 0.4272



19.7004, 0.2908, 0.4043



19.7004, 0.2459, 0.3548

Triad

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



19.7004, 0.2908, 0.4043



19.7004, 0.2356, 0.2446



19.7004, 0.4153, 0.3427

Complementary

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



19.7004, 0.2908, 0.4043



12.2144, 0.3448, 0.2645

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.



19.7004, 0.3812, 0.3014



19.7004, 0.2908, 0.4043



19.7004, 0.2750, 0.2472

Square

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



19.7004, 0.2908, 0.4043



19.7004, 0.2165, 0.2624



19.7004, 0.3282, 0.2676



19.7004, 0.4183, 0.3844

Rectangle

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



19.7004, 0.2908, 0.4043



19.7004, 0.2261, 0.3181



19.7004, 0.3282, 0.2676



19.7004, 0.4070, 0.3286

Sweetspot

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



19.7012, 0.2908, 0.4043



39.2994, 0.3056, 0.3491



21.3814, 0.3477, 0.4307



8.8061, 0.3049, 0.3510



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.



19.7012, 0.2908, 0.4043



33.6565, 0.2871, 0.4240



20.2856, 0.2674, 0.3470



5.2289, 0.3074, 0.3437



16.1615, 0.2846, 0.5445



0.0573, 0.2617, 0.4622

Inverse Universe

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



12.2144, 0.3448, 0.2645



18.6344, 0.3544, 0.2510



11.6885, 0.3905, 0.3123



4.7367, 0.3185, 0.3148



5.4202, 0.4259, 0.2120



0.0201, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 19.7004, 0.2908, 0.4043 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 19.7004, 0.2908, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

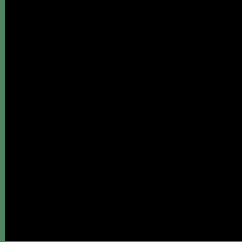
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7004, 0.2908, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 19.7004, 0.2908, 0.4043.



This preview shows how white text looks on a background with the Yxy color 19.7004, 0.2908, 0.4043.

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

19.7004, 0.2908, 0.4043

Protanopia

19.5347, 0.3588, 0.3831

Deuteranopia

19.5989, 0.3615, 0.3559



Tritanopia

19.7383, 0.2621, 0.3093

Trichromacy



Original Color

19.7004, 0.2908, 0.4043

Protanomaly

19.2586, 0.3315, 0.3908

Deuteranomaly

19.2966, 0.3317, 0.3718

Tritanomaly

19.7141, 0.2730, 0.3432

Monochromacy



Original Color

19.7004, 0.2908, 0.4043

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6037, 0.3030, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7004, 0.2908, 0.4043 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(81, 134, 99)` looks like.

```
.text, #text, p{  
    color:rgb(81, 134, 99)  
}
```

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(81, 134, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 134, 99) }
```

Border

The CSS property to change the border of an element to Yxy 19.7004, 0.2908, 0.4043 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(81, 134, 99) }
```

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

```
.border{ border-color:rgb(81, 134, 99) }
```

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

Here you see how a box with a 4 pixel rgb(81, 134, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 134, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 134, 99);  
box-shadow:4px 4px 4px 4px rgb(81, 134,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7004, 0.2908, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 134, 99) }
```

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

```
.background{ background-color: rgb(81, 134,  
99) }
```

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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