

Converting Colors

$Y_{xy}(22.3042, 0.2876, 0.4129)$

Have a look what the booklet for
Yxy(22.3042, 0.2876, 0.4129)
contains.

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Color

Yxy(22.3097, 0.2881, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	508F66
RGB	80, 143, 102
RGB Percent	31%, 56%, 40%
CMY	0.6863, 0.4392, 0.5999
CMYK	0.44, 0.00, 0.29, 0.44
HSL	141°, 28%, 44%
HSV	141°, 44%, 56%
XYZ	15.5289, 22.3097, 16.0626
YIQ	119.4890, -24.3870, -26.1070

Conversions

Conversions Part 2

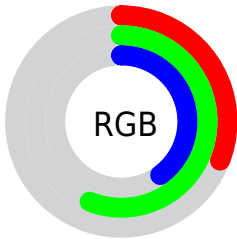
Format	Color
R_{YB}	80, 127, 143
Decimal	5279590
CIE _{Lab}	54.35, -29.91, 15.62
CIE _{LCh}	54, 33.744, 152.420
Yxy	22.3097, 0.2881, 0.4139
Android (android.graphics.Color)	4283469670 (0xFF508F66)
YUV	119.4890, -8.6221, -34.6319
Hunter-Lab	47.2331, -23.9722, 12.9005

Details

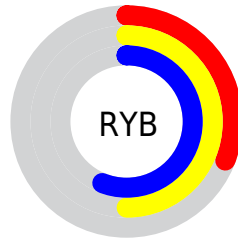
The Yxy color $22.3097, 0.2881, 0.4139$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.9555, 0.3511, 0.2578$, and the grayscale version is $18.6447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.1379, 0.2942, 0.3936$, and $8.1631, 0.2751, 0.4520$ is the 20% darker color. If you saturate the color by 10%, you get $21.5787, 0.2842, 0.4376$, and if you desaturate by 10%, it is $23.1957, 0.2929, 0.3915$.

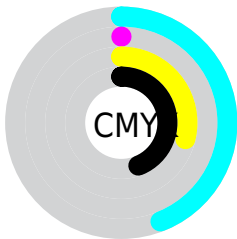
Distribution



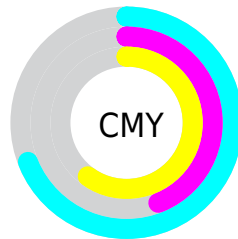
- Red (31%)
- Green (56%)
- Blue (40%)



- Red (31%)
- Yellow (50%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (44%)




- Cyan (69%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3097, 0.2881, 0.4139 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 22.3097, 0.2881, 0.4139 by changing the saturation by 10% instead.


 22.3097, 0.2881,
0.4139


 22.3097, 0.2881,
0.4139


264.1594, 0.3030,
0.3641


 14.0846, 0.2831,
0.4297


 47.2573, 0.2943,
0.3936

 8.1796, 0.2757,
0.4526


 64.7487, 0.2964,
0.3866


 4.2101, 0.2636,
0.4884

 86.0976, 0.2981,
0.3811

 1.7917, 0.2431,
0.5582

 111.6885, 0.2994,
0.3765

 0.4820, 0.0000,
1.0000

 141.9057, 0.3006,
0.3726

 0.0000, 0.0000,
0.0000

177.1337, 0.3015,

0.3693

217.7567, 0.3023,
0.3665

■ 22.3097, 0.2881,
0.4139

■ 22.3097, 0.2881,
0.4139

■ 21.5787, 0.2842,
0.4376

■ 23.1957, 0.2929,
0.3915

■ 20.9909, 0.2815,
0.4621

■ 24.2424, 0.2984,
0.3709

■ 20.5369, 0.2803,
0.4866


■ 25.4584, 0.3043,
0.3521


■ 20.2051, 0.2807,
0.5101


■ 26.8510, 0.3103,
0.3353


■ 19.9815, 0.2828,
0.5316

■ 28.4271, 0.3163,
0.3204

 19.8762, 0.2843,
0.5434

 30.1930, 0.3221,
0.3072

 32.1549, 0.3278,
0.2957

 34.3187, 0.3333,
0.2856

 36.6900, 0.3384,
0.2767

Harmonies

Analogous

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



22.3097, 0.3469, 0.4390



22.3097, 0.2881, 0.4139



22.3097, 0.2388, 0.3578

Triad

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



22.3097, 0.2881, 0.4139



22.3097, 0.2275, 0.2361



22.3097, 0.4269, 0.3431

Complementary

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



22.3097, 0.2881, 0.4139



12.9555, 0.3511, 0.2578

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.



22.3097, 0.3887, 0.2981



22.3097, 0.2881, 0.4139



22.3097, 0.2705, 0.2392

Square

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



22.3097, 0.2881, 0.4139



22.3097, 0.2069, 0.2551



22.3097, 0.3294, 0.2613



22.3097, 0.4299, 0.3890

Rectangle

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



22.3097, 0.2881, 0.4139



22.3097, 0.2172, 0.3165



22.3097, 0.3294, 0.2613



22.3097, 0.4177, 0.3276

Sweetspot

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



22.3106, 0.2881, 0.4139



45.7751, 0.3047, 0.3507



24.3624, 0.3513, 0.4435



10.3894, 0.3035, 0.3543



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.3106, 0.2881, 0.4139



38.6356, 0.2842, 0.4378



23.0306, 0.2630, 0.3495



6.0586, 0.3072, 0.3436



17.5771, 0.2840, 0.5424



0.1719, 0.2609, 0.4592

Inverse Universe

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



12.9555, 0.3511, 0.2578



19.6098, 0.3636, 0.2428



12.3223, 0.4046, 0.3104



5.4794, 0.3187, 0.3148



5.8663, 0.4303, 0.2144



0.0603, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 22.3097, 0.2881, 0.4139 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 22.3097, 0.2881, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

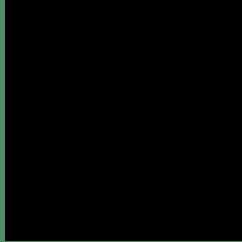
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3097, 0.2881, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 22.3097, 0.2881, 0.4139.



This preview shows how white text looks on a background with the Yxy color 22.3097, 0.2881, 0.4139.

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

22.3097, 0.2881, 0.4139

Protanopia

22.0340, 0.3623, 0.3874

Deuteranopia

21.9399, 0.3669, 0.3596



Tritanopia

22.2536, 0.2577, 0.3083

Trichromacy



Original Color

22.3097, 0.2881, 0.4139

Protanomaly

21.7836, 0.3322, 0.3976

Deuteranomaly

21.6125, 0.3340, 0.3774

Tritanomaly

22.1302, 0.2687, 0.3446

Monochromacy



Original Color

22.3097, 0.2881, 0.4139

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.6339, 0.3021, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3097, 0.2881, 0.4139 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(80, 143, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 143, 102)  
}
```

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(80, 143, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 143, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.3097, 0.2881, 0.4139 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(80, 143, 102) }
```

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

```
.border{ border-color:rgb(80, 143, 102) }
```

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

Here you see how a box with a 4 pixel rgb(80, 143, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 143, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 143, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 143,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3097, 0.2881, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 143, 102) }
```

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

```
.background{ background-color: rgb(80, 143,  
102) }
```

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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