

Converting Colors

$Yxy(20.8094, 0.2769, 0.4640)$

Have a look what the booklet for
Yxy(20.8094, 0.2769, 0.4640)
contains.

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Color

Yxy(20.7830, 0.2769, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	2B8F53
RGB	43, 143, 83
RGB Percent	17%, 56%, 33%
CMY	0.8315, 0.4392, 0.6745
CMYK	0.70, 0.00, 0.42, 0.44
HSL	144°, 54%, 36%
HSV	144°, 70%, 56%
XYZ	12.3786, 20.7830, 11.5426
YIQ	106.2600, -40.3400, -39.8600

Conversions

Conversions Part 2

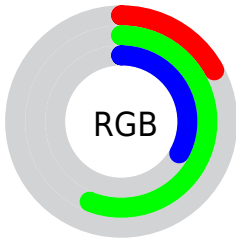
Format	Color
R_{YB}	43, 114, 143
Decimal	2854739
CIE _{Lab}	52.71, -42.73, 23.81
CIE _{LCh}	53, 48.913, 150.868
Yxy	20.7830, 0.2769, 0.4649
Android (android.graphics.Color)	4281044819 (0xFF2B8F53)
YUV	106.2600, -11.4672, -55.4790
Hunter-Lab	45.5884, -31.3116, 16.9001

Details

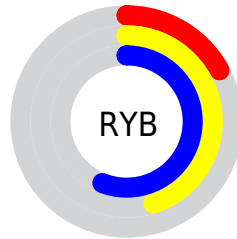
The Yxy color **20.7830, 0.2769, 0.4649** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.5432, 0.3969, 0.2317**, and the grayscale version is **14.5256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9064, 0.2873, 0.4314**, and **7.6157, 0.2773, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **20.4030, 0.2764, 0.4875**, and if you desaturate by 10%, it is **21.2894, 0.2791, 0.4421**.

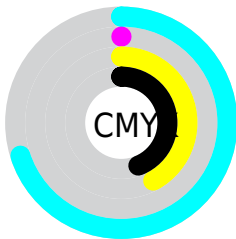
Distribution



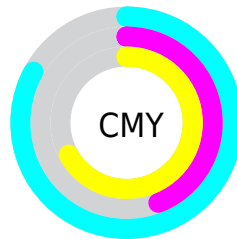
- Red (17%)
- Green (56%)
- Blue (33%)



- Red (17%)
- Yellow (45%)
- Blue (56%)



- Cyan (70%)
- Magenta (0%)
- Yellow (42%)
- Black (44%)





- Cyan (83%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7830, 0.2769, 0.4649 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 20.7830, 0.2769, 0.4649 by changing the saturation by 10% instead.


 20.7830, 0.2769,
0.4649


 20.7830, 0.2769,
0.4649


256.1230, 0.2999,
0.3829


 12.9655, 0.2685,
0.4919


 44.7261, 0.2869,
0.4308


 7.4048, 0.2554,
0.5317


 61.6205, 0.2902,
0.4193


 3.7165, 0.2328,
0.5948

 82.3093, 0.2927,
0.4102

 1.5163, 0.1626,
0.8374

 107.1768, 0.2947,
0.4027

 0.3001, 0.0000,
1.0000

 136.6076, 0.2963,
0.3965

 0.0000, 0.0000,
0.0000

 170.9859, 0.2977,

0.3913

210.6963, 0.2989,
0.3868

■ 20.7830, 0.2769,
0.4649

■ 20.7830, 0.2769,
0.4649

■ 20.4030, 0.2764,
0.4875

■ 21.2894, 0.2791,
0.4421

■ 20.1344, 0.2778,
0.5089

■ 21.9305, 0.2827,
0.4197

■ 19.9451, 0.2803,
0.5289

■ 22.7167, 0.2875,
0.3984

■ 19.9444, 0.2803,
0.5289

■ 23.6566, 0.2932,
0.3785

■ 24.7583, 0.2994,
0.3602

■ 26.0291, 0.3060,
0.3437

■ 27.4760, 0.3127,
0.3289

■ 29.1055, 0.3194,
0.3159

■ 30.9238, 0.3260,
0.3043

Harmonies

Analogous

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



20.7830, 0.3605, 0.4946



20.7830, 0.2769, 0.4649



20.7830, 0.2077, 0.3756

Triad

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



20.7830, 0.2769, 0.4649



20.7830, 0.1904, 0.1989



20.7830, 0.4799, 0.3392

Complementary

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



20.7830, 0.2769, 0.4649



8.5432, 0.3969, 0.2317

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.



20.7830, 0.4209, 0.2800



20.7830, 0.2769, 0.4649



20.7830, 0.2467, 0.2033

Square

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



20.7830, 0.2769, 0.4649



20.7830, 0.1649, 0.2231



20.7830, 0.3304, 0.2320



20.7830, 0.4827, 0.4027

Rectangle

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



20.7830, 0.2769, 0.4649



20.7830, 0.1786, 0.3107



20.7830, 0.3304, 0.2320



20.7830, 0.4659, 0.3187

Sweetspot

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



20.7838, 0.2769, 0.4649



44.0233, 0.2985, 0.3628



22.7035, 0.3571, 0.5115



9.9806, 0.2969, 0.3672



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.



20.7838, 0.2769, 0.4649



36.2330, 0.2770, 0.5001



21.8528, 0.2407, 0.3495



6.0629, 0.3065, 0.3425



17.6371, 0.2800, 0.5280



0.1728, 0.2568, 0.4446

Inverse Universe

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



8.5432, 0.3969, 0.2317



12.8198, 0.4251, 0.2238



7.8214, 0.5164, 0.3147



5.4750, 0.3194, 0.3159



5.7583, 0.4500, 0.2253



0.0594, 0.3812, 0.1873

Previews

White Background



This preview shows how the Yxy color 20.7830, 0.2769, 0.4649 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 20.7830, 0.2769, 0.4649 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 20.7830, 0.2769, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 20.7830, 0.2769, 0.4649.



This preview shows how white text looks on a background with the Yxy color 20.7830, 0.2769, 0.4649.

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

20.7830, 0.2769, 0.4649

Protanopia

20.5074, 0.3848, 0.4163

Deuteranopia

20.5271, 0.3902, 0.3837



Tritanopia

20.8732, 0.2401, 0.3071

Trichromacy



Original Color

20.7830, 0.2769, 0.4649



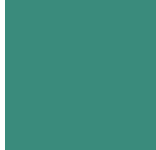
Protanomaly

19.9506, 0.3342, 0.4370



Deuteranomaly

19.4252, 0.3370, 0.4135



Tritanomaly

20.8200, 0.2531, 0.3605

Monochromacy



Original Color

20.7830, 0.2769, 0.4649



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

15.9145, 0.2927, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7830, 0.2769, 0.4649 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(43, 143, 83)` looks like.

```
.text, #text, p{  
    color:rgb(43, 143, 83)  
}
```

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(43, 143, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 143, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.7830, 0.2769, 0.4649 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(43, 143, 83) }
```

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

```
.border{ border-color:rgb(43, 143, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 143, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 143, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 143, 83);  
box-shadow:4px 4px 4px 4px rgb(43, 143,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7830, 0.2769, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 143, 83) }
```

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

```
.background{ background-color: rgb(43, 143,  
83) }
```

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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