

Converting Colors

$Y_{xy}(20.8067, 0.2617, 0.4171)$

Have a look what the booklet for
Yxy(20.8067, 0.2617, 0.4171)
contains.

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Color

Yxy(20.7976, 0.2620, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	2A8E66
RGB	42, 142, 102
RGB Percent	16%, 56%, 40%
CMY	0.8352, 0.4431, 0.6000
CMYK	0.70, 0.00, 0.28, 0.44
HSL	156°, 54%, 36%
HSV	156°, 70%, 56%
XYZ	13.0265, 20.7976, 15.8953
YIQ	107.5400, -46.7600, -33.6400

Conversions

Conversions Part 2

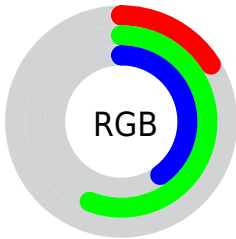
Format	Color
R_{YB}	42, 105, 142
Decimal	2788966
CIE _{Lab}	52.73, -38.45, 13.19
CIE _{LCh}	53, 40.647, 161.070
Yxy	20.7976, 0.2620, 0.4183
Android (android.graphics.Color)	4280979046 (0xFF2A8E66)
YUV	107.5400, -2.7312, -57.4786
Hunter-Lab	45.6044, -28.8208, 11.2577

Details

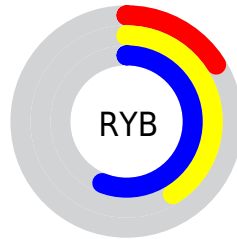
The Yxy color **20.7976, 0.2620, 0.4183** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.0186, 0.4451, 0.2642**, and the grayscale version is **14.8807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5465, 0.2743, 0.3959**, and **7.7580, 0.2596, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **20.4411, 0.2603, 0.4335**, and if you desaturate by 10%, it is **21.2696, 0.2656, 0.4033**.

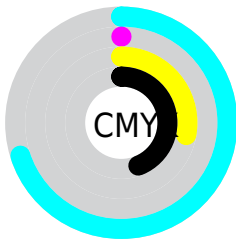
Distribution



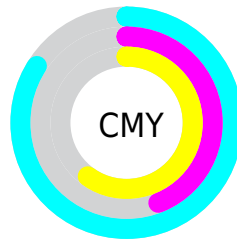
- Red (16%)
- Green (56%)
- Blue (40%)



- Red (16%)
- Yellow (41%)
- Blue (56%)



- Cyan (70%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)





- Cyan (84%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7976, 0.2620, 0.4183 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 20.7976, 0.2620, 0.4183 by changing the saturation by 10% instead.


 20.7976, 0.2620,
0.4183


 20.7976, 0.2620,
0.4183


256.2009, 0.2918,
0.3652


 12.9761, 0.2525,
0.4355


 44.7504, 0.2742,
0.3964


 7.4121, 0.2387,
0.4607


 61.6506, 0.2783,
0.3891

 3.7211, 0.2171,
0.5010

 82.3458, 0.2817,
0.3831

 1.5188, 0.1582,
0.5999

 107.2204, 0.2844,
0.3783

 0.3019, 0.0000,
1.0000

 136.6588, 0.2867,
0.3742

 0.0000, 0.0000,
0.0000

 171.0454, 0.2887,

0.3708

210.7647, 0.2904,
0.3678

■ 20.7976, 0.2620,
0.4183

■ 20.7976, 0.2620,
0.4183

■ 20.4411, 0.2603,
0.4335

■ 21.2696, 0.2656,
0.4033

■ 20.1857, 0.2605,
0.4486

■ 21.8649, 0.2708,
0.3888

■ 20.0051, 0.2619,
0.4629

■ 22.5933, 0.2774,
0.3750

■ 23.4631, 0.2852,
0.3620

■ 24.4817, 0.2938,
0.3501

■ 25.6562, 0.3029,
0.3392

■ 26.9931, 0.3123,
0.3294

■ 28.4984, 0.3219,
0.3206

■ 30.1780, 0.3314,
0.3128

Harmonies

Analogous

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



20.7976, 0.3315, 0.4630



20.7976, 0.2620, 0.4183



20.7976, 0.2099, 0.3408

Triad

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



20.7976, 0.2620, 0.4183



20.7976, 0.2220, 0.2161



20.7976, 0.4588, 0.3593

Complementary

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



20.7976, 0.2620, 0.4183



8.0186, 0.4451, 0.2642

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.



20.7976, 0.4238, 0.3053



20.7976, 0.2620, 0.4183



20.7976, 0.2797, 0.2272

Square

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



20.7976, 0.2620, 0.4183



20.7976, 0.1902, 0.2294



20.7976, 0.3546, 0.2587



20.7976, 0.4478, 0.4134

Rectangle

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



20.7976, 0.2620, 0.4183



20.7976, 0.1905, 0.2917



20.7976, 0.3546, 0.2587



20.7976, 0.4522, 0.3409

Sweetspot

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



20.7984, 0.2620, 0.4183



42.9722, 0.2929, 0.3513



21.3841, 0.3371, 0.5254



9.4980, 0.2908, 0.3541



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.7984, 0.2620, 0.4183



35.7838, 0.2601, 0.4416



19.4051, 0.2298, 0.3114



6.0803, 0.3040, 0.3379



17.9648, 0.2617, 0.4622



0.1761, 0.2434, 0.3964

Inverse Universe

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



8.0186, 0.4451, 0.2642



11.7953, 0.4909, 0.2630



8.2303, 0.5289, 0.3419



5.4576, 0.3223, 0.3202



5.4305, 0.5315, 0.2702



0.0561, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 20.7976, 0.2620, 0.4183 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 20.7976, 0.2620, 0.4183 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 20.7976, 0.2620, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 20.7976, 0.2620, 0.4183.



This preview shows how white text looks on a background with the Yxy color 20.7976, 0.2620, 0.4183.

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

20.7976, 0.2620, 0.4183

Protanopia

20.5437, 0.3601, 0.3856

Deuteranopia

20.4238, 0.3596, 0.3518



Tritanopia

20.7070, 0.2371, 0.3070

Trichromacy



Original Color

20.7976, 0.2620, 0.4183

Protanomaly

19.8624, 0.3139, 0.3987

Deuteranomaly

19.5841, 0.3129, 0.3752

Tritanomaly

20.5999, 0.2452, 0.3434

Monochromacy



Original Color

20.7976, 0.2620, 0.4183

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.3584, 0.2855, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7976, 0.2620, 0.4183 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(42, 142, 102)` looks like.

```
.text, #text, p{  
  color:rgb(42, 142, 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(42, 142, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 142, 102) }
```

Border

The CSS property to change the border of an element to Yxy 20.7976, 0.2620, 0.4183 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(42, 142, 102) }
```

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

```
.border{ border-color:rgb(42, 142, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 142, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 142, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 142, 102);  
box-shadow:4px 4px 4px 4px rgb(42, 142,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7976, 0.2620, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 142, 102) }
```

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

```
.background{ background-color: rgb(42, 142,  
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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