

Converting Colors

$Y_{xy}(20.8960, 0.2654, 0.3914)$

Have a look what the booklet for
Yxy(20.8960, 0.2654, 0.3914)
contains.

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Color

$Y_{xy}(20.8960, 0.2654, 0.3914)$

Conversions

Conversions Part 1

Format	Color
Hex	3D8C6F
RGB	61, 140, 111
RGB Percent	24%, 55%, 44%
CMY	0.7610, 0.4509, 0.5647
CMYK	0.56, 0.00, 0.21, 0.45
HSL	158°, 39%, 39%
HSV	158°, 56%, 55%
XYZ	14.1691, 20.8960, 18.3227
YIQ	113.0730, -37.7750, -25.7670

Conversions

Conversions Part 2

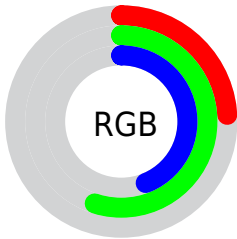
Format	Color
RYB	61, 109, 140
Decimal	4033647
CIELab	52.84, -31.59, 8.26
CIElCh	53, 32.650, 165.339
Yxy	20.8960, 0.2654, 0.3914
Android (android.graphics.Color)	4282223727 (0xFF3D8C6F)
YUV	113.0730, -1.0220, -45.6680
Hunter-Lab	45.7121, -24.6676, 8.2334

Details

The Yxy color $20.8960, 0.2654, 0.3914$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $9.6463, 0.4123, 0.2776$, and the grayscale version is $16.5445, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8728, 0.2761, 0.3758$, and $7.5036, 0.2499, 0.4195$ is the 20% darker color. If you saturate the color by 10%, you get $20.3995, 0.2609, 0.4049$, and if you desaturate by 10%, it is $21.5167, 0.2715, 0.3784$.

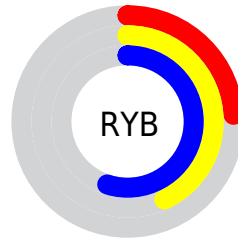
Distribution



Red (24%)

Green (55%)

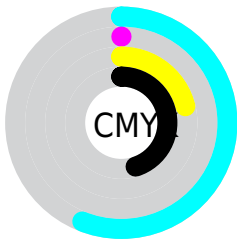
Blue (44%)



Red (24%)

Yellow (43%)

Blue (55%)

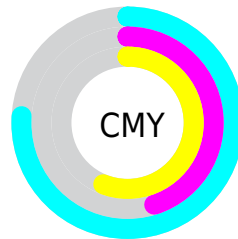


Cyan (56%)

Magenta (0%)

Yellow (21%)

Black (45%)



Cyan (76%)


Magenta (45%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8960, 0.2654, 0.3914 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 20.8960, 0.2654, 0.3914 by changing the saturation by 10% instead.


 20.8960, 0.2654,
0.3914


 20.8960, 0.2654,
0.3914


256.7253, 0.2927,
0.3548


 13.0480, 0.2570,
0.4030


 44.9144, 0.2764,
0.3765


 7.4616, 0.2450,
0.4198


 61.8536, 0.2802,
0.3714


 3.7524, 0.2265,
0.4462

 82.5919, 0.2833,
0.3673

 1.5361, 0.1878,
0.4979

 107.5139, 0.2858,
0.3640

 0.3139, 0.0000,
1.0000

 137.0038, 0.2879,
0.3611

 0.0000, 0.0000,
0.0000

171.4460, 0.2898,

0.3587

211.2251, 0.2913,
0.3567

■ 20.8960, 0.2654,
0.3914

■ 20.8960, 0.2654,
0.3914

■ 20.3995, 0.2609,
0.4049

■ 21.5167, 0.2715,
0.3784

■ 20.0152, 0.2581,
0.4187

■ 22.2674, 0.2789,
0.3662

■ 19.7334, 0.2573,
0.4325

■ 23.1566, 0.2874,
0.3548

■ 19.5363, 0.2582,
0.4462

■ 24.1912, 0.2966,
0.3442

■ 19.4736, 0.2586,
0.4510

■ 25.3777, 0.3063,
0.3347

■ 26.7224, 0.3163,
0.3261

■ 28.2309, 0.3263,
0.3184

■ 29.9088, 0.3362,
0.3115

■ 31.7612, 0.3460,
0.3055

Harmonies

Analogous

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



20.8960, 0.3214, 0.4318



20.8960, 0.2654, 0.3914



20.8960, 0.2246, 0.3308

Triad

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



20.8960, 0.2654, 0.3914



20.8960, 0.2442, 0.2358



20.8960, 0.4314, 0.3630

Complementary

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



20.8960, 0.2654, 0.3914



9.6463, 0.4123, 0.2776

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.



20.8960, 0.4078, 0.3170



20.8960, 0.2654, 0.3914



20.8960, 0.2948, 0.2474

Square

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



20.8960, 0.2654, 0.3914



20.8960, 0.2139, 0.2449



20.8960, 0.3557, 0.2762



20.8960, 0.4191, 0.4061

Rectangle

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



20.8960, 0.2654, 0.3914



20.8960, 0.2100, 0.2930



20.8960, 0.3557, 0.2762



20.8960, 0.4275, 0.3475

Sweetspot

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



20.8968, 0.2654, 0.3914



42.4708, 0.2958, 0.3451



21.3324, 0.3336, 0.4887



9.7102, 0.2941, 0.3469



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.



20.8968, 0.2654, 0.3914



35.7394, 0.2599, 0.4090



19.0594, 0.2397, 0.3098



5.6580, 0.3037, 0.3371



17.3047, 0.2584, 0.4504



0.1178, 0.2415, 0.3895

Inverse Universe

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



9.6463, 0.4123, 0.2776



13.8312, 0.4500, 0.2702



10.3150, 0.4644, 0.3456



5.0770, 0.3227, 0.3210



5.1730, 0.5443, 0.2772



0.0370, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 20.8960, 0.2654, 0.3914 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 20.8960, 0.2654, 0.3914 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 20.8960, 0.2654, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 20.8960, 0.2654, 0.3914.

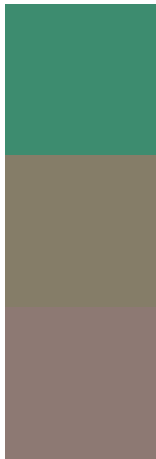


This preview shows how white text looks on a background with the Yxy color 20.8960, 0.2654, 0.3914.

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

20.8960, 0.2654, 0.3914

Protanopia

20.6533, 0.3470, 0.3674

Deuteranopia

20.5753, 0.3453, 0.3396



Tritanopia

20.7810, 0.2443, 0.3072

Trichromacy



Original Color

20.8960, 0.2654, 0.3914

Protanomaly

20.1526, 0.3106, 0.3748

Deuteranomaly

20.0980, 0.3091, 0.3562

Tritanomaly

20.8137, 0.2520, 0.3370

Monochromacy



Original Color

20.8960, 0.2654, 0.3914

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7155, 0.2906, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8960, 0.2654, 0.3914 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(61, 140, 111)` looks like.

```
.text, #text, p{  
    color:rgb(61, 140, 111)  
}
```

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(61, 140, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 140, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.8960, 0.2654, 0.3914 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(61, 140, 111) }
```

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

```
.border{ border-color:rgb(61, 140, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 140, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 140, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 140, 111);  
box-shadow:4px 4px 4px 4px rgb(61, 140,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8960, 0.2654, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 140, 111) }
```

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

```
.background{ background-color: rgb(61, 140,  
111) }
```

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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