

Converting Colors

$Y_{xy}(20.5521, 0.2667, 0.3827)$

Have a look what the booklet for
 $Y_{xy}(20.5521, 0.2667, 0.3827)$
contains.

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Color

$\text{Yxy}(20.5275, 0.2667, 0.3824)$

Conversions

Conversions Part 1

Format	Color
Hex	428A71
RGB	66, 138, 113
RGB Percent	26%, 54%, 44%
CMY	0.7412, 0.4588, 0.5568
CMYK	0.52, 0.00, 0.18, 0.46
HSL	159°, 35%, 40%
HSV	159°, 52%, 54%
XYZ	14.3166, 20.5275, 18.8366
YIQ	113.6220, -34.8870, -23.0390

Conversions

Conversions Part 2

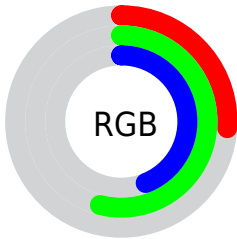
Format	Color
RYB	66, 110, 138
Decimal	4360817
CIELab	52.43, -28.92, 6.54
CIELCh	52, 29.646, 167.257
Yxy	20.5275, 0.2667, 0.3824
Android (android.graphics.Color)	4282550897 (0xFF428A71)
YUV	113.6220, -0.3066, -41.7645
Hunter-Lab	45.3073, -22.8836, 7.0652

Details

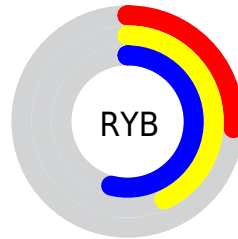
The Yxy color $20.5275, 0.2667, 0.3824$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $10.0546, 0.4039, 0.2836$, and the grayscale version is $16.7176, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3378, 0.2771, 0.3695$, and $7.2109, 0.2470, 0.4060$ is the 20% darker color. If you saturate the color by 10%, you get $20.0004, 0.2613, 0.3949$, and if you desaturate by 10%, it is $21.1776, 0.2736, 0.3705$.

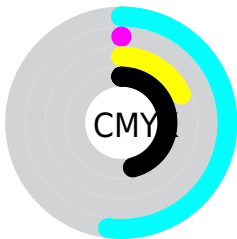
Distribution



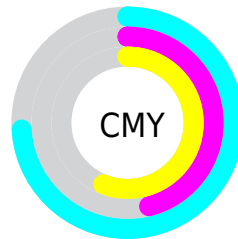
- Red (26%)
- Green (54%)
- Blue (44%)



- Red (26%)
- Yellow (43%)
- Blue (54%)



- Cyan (52%)
- Magenta (0%)
- Yellow (18%)
- Black (46%)





- Cyan (74%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5275, 0.2667, 0.3824 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 20.5275, 0.2667, 0.3824 by changing the saturation by 10% instead.


 20.5275, 0.2667,
0.3824


 20.5275, 0.2667,
0.3824


254.7566, 0.2932,
0.3512


 12.7791, 0.2586,
0.3922


 44.2998, 0.2773,
0.3697

 7.2766, 0.2470,
0.4065


 61.0925, 0.2810,
0.3654


 3.6357, 0.2292,
0.4289

 81.6687, 0.2840,
0.3619

 1.4719, 0.1931,
0.4723

 106.4129, 0.2865,
0.3590

 0.2688, 0.0000,
1.0000

 135.7093, 0.2885,
0.3566

 0.0000, 0.0000,
0.0000

169.9425, 0.2903,

0.3545

209.4968, 0.2918,
0.3528

■ 20.5275, 0.2667,
0.3824

■ 20.5275, 0.2667,
0.3824

■ 20.0004, 0.2613,
0.3949

■ 21.1776, 0.2736,
0.3705

■ 19.5853, 0.2576,
0.4077

■ 21.9559, 0.2817,
0.3593

■ 19.2733, 0.2557,
0.4207

■ 22.8703, 0.2907,
0.3489

■ 19.0530, 0.2558,
0.4336

■ 23.9274, 0.3004,
0.3394

■ 18.9177, 0.2566,
0.4437

■ 25.1332, 0.3105,
0.3308

■ 26.4935, 0.3208,
0.3230

■ 28.0137, 0.3311,
0.3161

■ 29.6990, 0.3412,
0.3099

■ 31.5543, 0.3512,
0.3045

Harmonies

Analogous

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



20.5275, 0.3178, 0.4208



20.5275, 0.2667, 0.3824



20.5275, 0.2300, 0.3275

Triad

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



20.5275, 0.2667, 0.3824



20.5275, 0.2523, 0.2431



20.5275, 0.4215, 0.3638

Complementary

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



20.5275, 0.2667, 0.3824



10.0546, 0.4039, 0.2836

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.



20.5275, 0.4018, 0.3211



20.5275, 0.2667, 0.3824



20.5275, 0.3000, 0.2549

Square

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



20.5275, 0.2667, 0.3824



20.5275, 0.2227, 0.2506



20.5275, 0.3556, 0.2826



20.5275, 0.4087, 0.4027

Rectangle

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



20.5275, 0.2667, 0.3824



20.5275, 0.2173, 0.2937



20.5275, 0.3556, 0.2826



20.5275, 0.4185, 0.3495

Sweetspot

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



20.5283, 0.2667, 0.3824



41.3677, 0.2963, 0.3433



20.8050, 0.3303, 0.4769



9.2056, 0.2946, 0.3449



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.5283, 0.2667, 0.3824



35.0783, 0.2603, 0.3976



18.2239, 0.2430, 0.3064



5.6596, 0.3034, 0.3367



17.3473, 0.2565, 0.4433



0.1180, 0.2404, 0.3855

Inverse Universe

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



10.0546, 0.4039, 0.2836



14.4470, 0.4387, 0.2758



11.0764, 0.4445, 0.3491



5.0754, 0.3230, 0.3214



5.1513, 0.5520, 0.2815



0.0368, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 20.5275, 0.2667, 0.3824 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 20.5275, 0.2667, 0.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

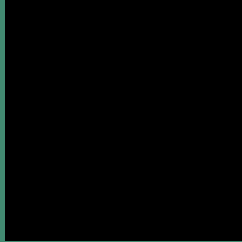
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5275, 0.2667, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 20.5275, 0.2667, 0.3824.



This preview shows how white text looks on a background with the Yxy color 20.5275, 0.2667, 0.3824.

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

20.5275, 0.2667, 0.3824

Protanopia

20.2812, 0.3424, 0.3622

Deuteranopia

20.2063, 0.3405, 0.3344



Tritanopia

20.5597, 0.2475, 0.3091

Trichromacy



Original Color

20.5275, 0.2667, 0.3824

Protanomaly

19.9304, 0.3085, 0.3688

Deuteranomaly

19.8844, 0.3070, 0.3504

Tritanomaly

20.3991, 0.2541, 0.3329

Monochromacy



Original Color

20.5275, 0.2667, 0.3824

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.9222, 0.2919, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5275, 0.2667, 0.3824 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(66, 138, 113)` looks like.

```
.text, #text, p{  
  color:rgb(66, 138, 113)  
}
```

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(66, 138, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 138, 113) }
```

Border

The CSS property to change the border of an element to Yxy 20.5275, 0.2667, 0.3824 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(66, 138, 113) }
```

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

```
.border{ border-color:rgb(66, 138, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 138, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 138, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 138, 113);  
box-shadow:4px 4px 4px 4px rgb(66, 138,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5275, 0.2667, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 138, 113) }
```

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

```
.background{ background-color: rgb(66, 138,  
113) }
```

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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