

Converting Colors

$Y_{xy}(20.4871, 0.2527, 0.4025)$

Have a look what the booklet for
Yxy(20.4871, 0.2527, 0.4025)
contains.

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Color

Yxy(20.4395, 0.2529, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	208D6C
RGB	32, 141, 108
RGB Percent	13%, 55%, 42%
CMY	0.8745, 0.4470, 0.5765
CMYK	0.77, 0.00, 0.23, 0.45
HSL	162°, 63%, 34%
HSV	162°, 77%, 55%
XYZ	12.8267, 20.4395, 17.4522
YIQ	104.6470, -54.3710, -33.3710

Conversions

Conversions Part 2

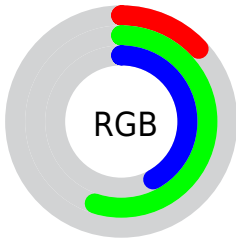
Format	Color
R_{YB}	32, 96, 141
Decimal	2133356
CIE _{Lab}	52.33, -38.06, 9.17
CIE _{LCh}	52, 39.152, 166.454
Yxy	20.4395, 0.2529, 0.4030
Android (android.graphics.Color)	4280323436 (0xFF208D6C)
YUV	104.6470, 1.6530, -63.7114
Hunter-Lab	45.2101, -28.4749, 8.7597

Details

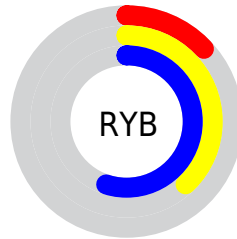
The Yxy color **20.4395, 0.2529, 0.4030** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.0783, 0.4933, 0.2803**, and the grayscale version is **14.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9663, 0.2672, 0.3852**, and **7.6493, 0.2527, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **20.1721, 0.2517, 0.4142**, and if you desaturate by 10%, it is **20.8096, 0.2560, 0.3918**.

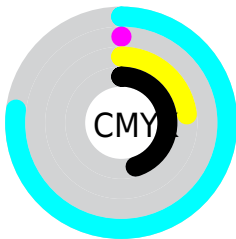
Distribution



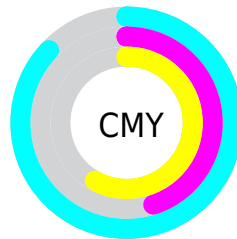
- Red (13%)
- Green (55%)
- Blue (42%)



- Red (13%)
- Yellow (38%)
- Blue (55%)



- Cyan (77%)
- Magenta (0%)
- Yellow (23%)
- Black (45%)





- Cyan (87%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4395, 0.2529, 0.4030 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 20.4395, 0.2529, 0.4030 by changing the saturation by 10% instead.


 20.4395, 0.2529,
0.4030


 20.4395, 0.2529,
0.4030


254.2845, 0.2875,
0.3593


 12.7149, 0.2422,
0.4170


 44.1528, 0.2669,
0.3851


 7.2325, 0.2269,
0.4374


 60.9103, 0.2717,
0.3790


 3.6079, 0.2035,
0.4697

 81.4476, 0.2756,
0.3742

 1.4568, 0.1379,
0.5456

 106.1491, 0.2788,
0.3701

 0.2580, 0.0000,
1.0000

 135.3991, 0.2815,
0.3668

 0.0000, 0.0000,
0.0000

 169.5821, 0.2838,

0.3639

209.0825, 0.2858,
0.3615

■ 20.4395, 0.2529,
0.4030

■ 20.4395, 0.2529,
0.4030

■ 20.1721, 0.2517,
0.4142

■ 20.8096, 0.2560,
0.3918

■ 19.9846, 0.2522,
0.4254

■ 21.2911, 0.2609,
0.3809

■ 19.9381, 0.2523,
0.4284

■ 21.8944, 0.2674,
0.3703

■ 22.6279, 0.2754,
0.3603

■ 23.4994, 0.2844,
0.3509

■ 24.5160, 0.2943,
0.3422

■ 25.6844, 0.3048,
0.3343

■ 27.0108, 0.3157,
0.3271

■ 28.5010, 0.3266,
0.3207

Harmonies

Analogous

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



20.4395, 0.3187, 0.4544



20.4395, 0.2529, 0.4030



20.4395, 0.2065, 0.3271

Triad

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



20.4395, 0.2529, 0.4030



20.4395, 0.2329, 0.2194



20.4395, 0.4557, 0.3687

Complementary

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



20.4395, 0.2529, 0.4030



7.0783, 0.4933, 0.2803

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.



20.4395, 0.4295, 0.3153



20.4395, 0.2529, 0.4030



20.4395, 0.2931, 0.2340

Square

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



20.4395, 0.2529, 0.4030



20.4395, 0.1971, 0.2280



20.4395, 0.3667, 0.2680



20.4395, 0.4379, 0.4202

Rectangle

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



20.4395, 0.2529, 0.4030



20.4395, 0.1909, 0.2820



20.4395, 0.3667, 0.2680



20.4395, 0.4520, 0.3506

Sweetspot

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



20.4403, 0.2529, 0.4030



42.7434, 0.2881, 0.3475



20.3315, 0.3257, 0.5487



9.4216, 0.2850, 0.3504



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.



20.4403, 0.2529, 0.4030



35.8620, 0.2520, 0.4228



15.9101, 0.2195, 0.2852



6.0889, 0.3028, 0.3357



18.1818, 0.2522, 0.4280



0.1778, 0.2381, 0.3770

Inverse Universe

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



7.0783, 0.4933, 0.2803



10.8018, 0.5537, 0.2882



8.2223, 0.5425, 0.3576



5.4493, 0.3237, 0.3224



5.3230, 0.5689, 0.2907



0.0544, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 20.4395, 0.2529, 0.4030 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 20.4395, 0.2529, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

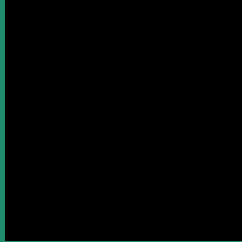
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4395, 0.2529, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 20.4395, 0.2529, 0.4030.



This preview shows how white text looks on a background with the Yxy color 20.4395, 0.2529, 0.4030.

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

20.4395, 0.2529, 0.4030

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.2006, 0.3468, 0.3415



Tritanopia

20.4718, 0.2328, 0.3067

Trichromacy



Original Color

20.4395, 0.2529, 0.4030

Protanomaly

19.4313, 0.3023, 0.3850

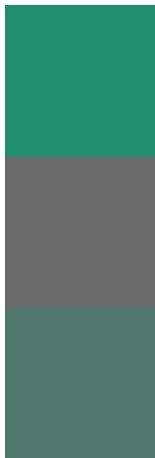
Deuteranomaly

19.3527, 0.2997, 0.3635

Tritanomaly

20.4283, 0.2392, 0.3393

Monochromacy



Original Color

20.4395, 0.2529, 0.4030

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.6172, 0.2788, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4395, 0.2529, 0.4030 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(32, 141, 108)` looks like.

```
.text, #text, p{  
  color:rgb(32, 141, 108)  
}
```

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(32, 141, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 141, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.4395, 0.2529, 0.4030 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(32, 141, 108) }
```

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

```
.border{ border-color:rgb(32, 141, 108) }
```

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

Here you see how a box with a 4 pixel rgb(32, 141, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 141, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 141, 108);  
box-shadow:4px 4px 4px 4px rgb(32, 141,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4395, 0.2529, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 141, 108) }
```

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

```
.background{ background-color: rgb(32, 141,  
108) }
```

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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