

Converting Colors

$Yxy(20.1756, 0.2500, 0.3786)$

Have a look what the booklet for
 $Y_{xy}(20.1756, 0.2500, 0.3786)$
contains.

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Color

Yxy(20.2184, 0.2504, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	2A8B74
RGB	42, 139, 116
RGB Percent	16%, 55%, 45%
CMY	0.8351, 0.4549, 0.5452
CMYK	0.70, 0.00, 0.17, 0.45
HSL	166°, 54%, 35%
HSV	166°, 70%, 55%
XYZ	13.3404, 20.2184, 19.7176
YIQ	107.3750, -50.4290, -27.7170

Conversions

Conversions Part 2

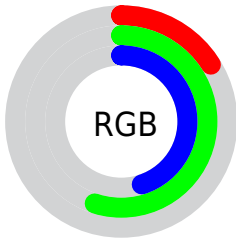
Format	Color
RYB	42, 97, 139
Decimal	2788212
CIELab	52.08, -33.62, 4.23
CIElCh	52, 33.883, 172.823
Yxy	20.2184, 0.2504, 0.3795
Android (android.graphics.Color)	4280978292 (0xFF2A8B74)
YUV	107.3750, 4.2521, -57.3339
Hunter-Lab	44.9649, -25.7302, 5.4761

Details

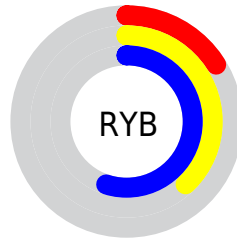
The Yxy color **20.2184, 0.2504, 0.3795** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5307, 0.4824, 0.2922**, and the grayscale version is **14.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7338, 0.2646, 0.3673**, and **7.3968, 0.2439, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **19.8995, 0.2472, 0.3880**, and if you desaturate by 10%, it is **20.6433, 0.2554, 0.3711**.

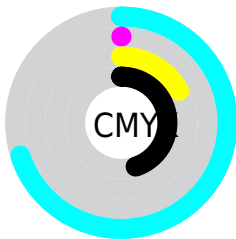
Distribution



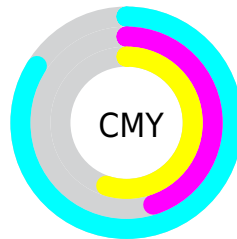
- Red (16%)
- Green (55%)
- Blue (45%)



- Red (16%)
- Yellow (38%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)



- Cyan (84%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2184, 0.2504, 0.3795 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 20.2184, 0.2504, 0.3795 by changing the saturation by 10% instead.

20.2184, 0.2504,
0.3795

20.2184, 0.2504,
0.3795

253.0950, 0.2860,
0.3502

12.5539, 0.2397,
0.3886

43.7830, 0.2646,
0.3676

7.1221, 0.2245,
0.4017

60.4520, 0.2695,
0.3636

3.5386, 0.2017,
0.4220

80.8912, 0.2735,
0.3603

1.4190, 0.1481,
0.4662

105.4850, 0.2769,
0.3576

0.2306, 0.0000,
1.0000

134.6180, 0.2797,
0.3553

0.0000, 0.0000,
0.0000

168.6743, 0.2821,

0.3533

208.0385, 0.2842,
0.3517

■ 20.2184, 0.2504,
0.3795

■ 20.2184, 0.2504,
0.3795

■ 19.8995, 0.2472,
0.3880

■ 20.6433, 0.2554,
0.3711

■ 19.6732, 0.2459,
0.3966

■ 21.1814, 0.2621,
0.3629

■ 19.5100, 0.2459,
0.4052

■ 21.8419, 0.2703,
0.3551

■ 19.5060, 0.2459,
0.4054

■ 22.6323, 0.2798,
0.3478

■ 23.5597, 0.2902,
0.3409

■ 24.6305, 0.3014,
0.3346

■ 25.8508, 0.3130,
0.3289

■ 27.2263, 0.3249,
0.3237

■ 28.7624, 0.3368,
0.3191

Harmonies

Analogous

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



20.2184, 0.3061, 0.4303



20.2184, 0.2504, 0.3795



20.2184, 0.2136, 0.3149

Triad

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



20.2184, 0.2504, 0.3795



20.2184, 0.2525, 0.2329



20.2184, 0.4373, 0.3758

Complementary

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



20.2184, 0.2504, 0.3795



7.5307, 0.4824, 0.2922

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.



20.2184, 0.4221, 0.3279



20.2184, 0.2504, 0.3795



20.2184, 0.3093, 0.2499

Square

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



20.2184, 0.2504, 0.3795



20.2184, 0.2152, 0.2365



20.2184, 0.3731, 0.2835



20.2184, 0.4155, 0.4188

Rectangle

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



20.2184, 0.2504, 0.3795



20.2184, 0.2029, 0.2784



20.2184, 0.3731, 0.2835



20.2184, 0.4366, 0.3599

Sweetspot

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



20.2192, 0.2504, 0.3795



41.8899, 0.2884, 0.3420



19.8010, 0.3212, 0.5336



9.5570, 0.2858, 0.3437



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.



20.2192, 0.2504, 0.3795



35.3716, 0.2462, 0.3933



14.5646, 0.2215, 0.2753



5.6687, 0.3021, 0.3342



17.6077, 0.2458, 0.4050



0.1192, 0.2348, 0.3651

Inverse Universe

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



7.5307, 0.4824, 0.2922



11.0894, 0.5438, 0.2947



9.5864, 0.5017, 0.3690



5.0668, 0.3246, 0.3238



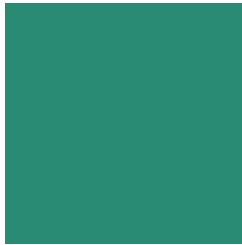
5.0555, 0.5905, 0.3026



0.0356, 0.4896, 0.2471

Previews

White Background



This preview shows how the Yxy color 20.2184, 0.2504, 0.3795 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 20.2184, 0.2504, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

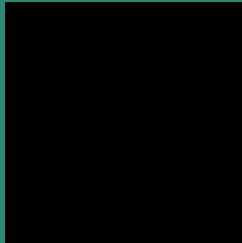
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2184, 0.2504, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 20.2184, 0.2504, 0.3795.



This preview shows how white text looks on a background with the Yxy color 20.2184, 0.2504, 0.3795.

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

20.2184, 0.2504, 0.3795

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.7840, 0.3332, 0.3273



Tritanopia

20.2440, 0.2345, 0.3067

Trichromacy



Original Color

20.2184, 0.2504, 0.3795

Protanomaly

19.3896, 0.2953, 0.3659

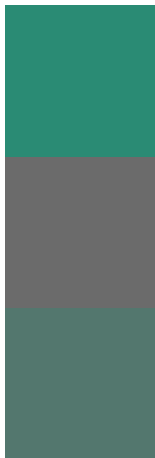
Deuteranomaly

19.0784, 0.2925, 0.3430

Tritanomaly

20.0614, 0.2399, 0.3309

Monochromacy



Original Color

20.2184, 0.2504, 0.3795

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.1584, 0.2802, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2184, 0.2504, 0.3795 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, 139, 116)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 116)  
}
```

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, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 116) }
```

Border

The CSS property to change the border of an element to Yxy 20.2184, 0.2504, 0.3795 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, 139, 116) }
```

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

```
.border{ border-color:rgb(42, 139, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 139, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2184, 0.2504, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 116) }
```

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

```
.background{ background-color: rgb(42, 139,  
116) }
```

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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