

Converting Colors

$Yxy(20.4665, 0.2364, 0.3520)$

Have a look what the booklet for
Yxy(20.4665, 0.2364, 0.3520)
contains.

Yxy(20.5880, 0.2365, 0.3524)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5880, 0.2365, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	1C8C81
RGB	28, 140, 129
RGB Percent	11%, 55%, 51%
CMY	0.8907, 0.4509, 0.4941
CMYK	0.80, 0.00, 0.08, 0.45
HSL	174°, 67%, 33%
HSV	174°, 80%, 55%
XYZ	13.8169, 20.5880, 24.0174
YIQ	105.2580, -63.2210, -27.1650

Conversions

Conversions Part 2

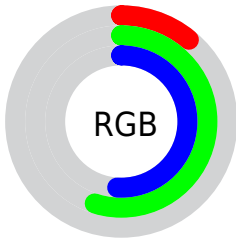
Format	Color
RYB	28, 87, 140
Decimal	1870977
CIELab	52.50, -32.34, -2.75
CIElCh	52, 32.454, 184.854
Yxy	20.5880, 0.2365, 0.3524
Android (android.graphics.Color)	4280061057 (0xFF1C8C81)
YUV	105.2580, 11.7048, -67.7553
Hunter-Lab	45.3740, -25.0494, 0.3784

Details

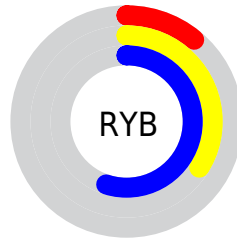
The Yxy color **20.5880, 0.2365, 0.3524** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5456, 0.5601, 0.3162**, and the grayscale version is **14.1703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3407, 0.2531, 0.3469**, and **7.7239, 0.2329, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **20.3998, 0.2342, 0.3557**, and if you desaturate by 10%, it is **20.8700, 0.2406, 0.3491**.

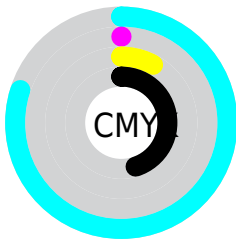
Distribution



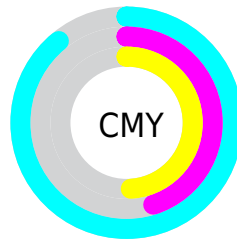
- Red (11%)
- Green (55%)
- Blue (51%)



- Red (11%)
- Yellow (34%)
- Blue (55%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (45%)




- Cyan (89%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5880, 0.2365, 0.3524 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 20.5880, 0.2365, 0.3524 by changing the saturation by 10% instead.


 20.5880, 0.2365,
0.3524


 20.5880, 0.2365,
0.3524


255.0808, 0.2792,
0.3397


 12.8232, 0.2241,
0.3559


 44.4008, 0.2532,
0.3475

 7.3069, 0.2070,
0.3605


 61.2176, 0.2591,
0.3458

 3.6548, 0.1820,
0.3669

 81.8206, 0.2640,
0.3443

 1.4824, 0.1344,
0.3793

 106.5940, 0.2680,
0.3431

 0.2763, 0.0000,
0.3592

 135.9223, 0.2714,
0.3421

 0.0000, 0.0000,
0.0000

 170.1900, 0.2744,

0.3412

209.7813, 0.2769,
0.3404

■ 20.5880, 0.2365,
0.3524

■ 20.5880, 0.2365,
0.3524

■ 20.3998, 0.2342,
0.3557

■ 20.8700, 0.2406,
0.3491

■ 20.2722, 0.2330,
0.3589

■ 21.2547, 0.2465,
0.3459

■ 21.7527, 0.2542,
0.3427

■ 22.3725, 0.2635,
0.3396

■ 23.1218, 0.2743,
0.3367

■ 24.0078, 0.2862,
0.3339

■ 25.0371, 0.2991,
0.3314

■ 26.2158, 0.3126,
0.3290

■ 27.5498, 0.3265,
0.3269

Harmonies

Analogous

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



20.5880, 0.2839, 0.4091



20.5880, 0.2365, 0.3524



20.5880, 0.2104, 0.2939

Triad

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



20.5880, 0.2365, 0.3524



20.5880, 0.2753, 0.2412



20.5880, 0.4272, 0.3919

Complementary

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



20.5880, 0.2365, 0.3524



6.5456, 0.5601, 0.3162

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.



20.5880, 0.4271, 0.3468



20.5880, 0.2365, 0.3524



20.5880, 0.3342, 0.2646

Square

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



20.5880, 0.2365, 0.3524



20.5880, 0.2311, 0.2365



20.5880, 0.3919, 0.3019



20.5880, 0.3948, 0.4271

Rectangle

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



20.5880, 0.2365, 0.3524



20.5880, 0.2066, 0.2645



20.5880, 0.3919, 0.3019



20.5880, 0.4312, 0.3774

Sweetspot

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



20.5888, 0.2365, 0.3524



41.6030, 0.2808, 0.3351



19.2746, 0.3070, 0.5675



9.4740, 0.2771, 0.3360



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.



20.5888, 0.2365, 0.3524



35.7953, 0.2334, 0.3582



10.3499, 0.2026, 0.2251



5.6803, 0.3003, 0.3311



18.0120, 0.2330, 0.3587



0.1208, 0.2285, 0.3427

Inverse Universe

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



6.5456, 0.5601, 0.3162



10.0542, 0.6196, 0.3225



10.3877, 0.5117, 0.3970



5.0560, 0.3266, 0.3269



4.9831, 0.6248, 0.3215



0.0340, 0.5642, 0.2882

Previews

White Background



This preview shows how the Yxy color 20.5880, 0.2365, 0.3524 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 20.5880, 0.2365, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

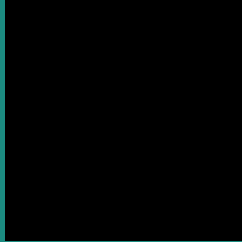
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5880, 0.2365, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 20.5880, 0.2365, 0.3524.

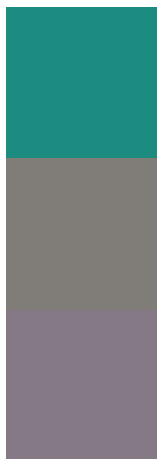


This preview shows how white text looks on a background with the Yxy color 20.5880, 0.2365, 0.3524.

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

20.5880, 0.2365, 0.3524

Protanopia

20.3606, 0.3221, 0.3364

Deuteranopia

20.3547, 0.3137, 0.3078



Tritanopia

20.5217, 0.2277, 0.3066

Trichromacy



Original Color

20.5880, 0.2365, 0.3524

Protanomaly

19.6706, 0.2786, 0.3431

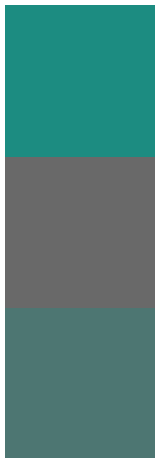
Deuteranomaly

19.5372, 0.2728, 0.3210

Tritanomaly

20.4934, 0.2307, 0.3226

Monochromacy



Original Color

20.5880, 0.2365, 0.3524

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.7496, 0.2697, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5880, 0.2365, 0.3524 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(28, 140, 129)` looks like.

```
.text, #text, p{  
    color:rgb(28, 140, 129)  
}
```

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(28, 140, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 140, 129) }
```

Border

The CSS property to change the border of an element to Yxy 20.5880, 0.2365, 0.3524 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(28, 140, 129) }
```

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

```
.border{ border-color:rgb(28, 140, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 140, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 140, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 140, 129);  
box-shadow:4px 4px 4px 4px rgb(28, 140,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5880, 0.2365, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 140, 129) }
```

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

```
.background{ background-color: rgb(28, 140,  
129) }
```

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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