

Converting Colors

$Yxy(20.6710, 0.2333, 0.3434)$

Have a look what the booklet for
 $Y_{xy}(20.6710, 0.2333, 0.3434)$
contains.

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Color

$\text{Yxy}(20.6692, 0.2334, 0.3436)$

Conversions

Conversions Part 1

Format	Color
Hex	1A8C85
RGB	26, 140, 133
RGB Percent	10%, 55%, 52%
CMY	0.8977, 0.4510, 0.4784
CMYK	0.81, 0.00, 0.05, 0.45
HSL	176°, 69%, 33%
HSV	176°, 81%, 55%
XYZ	14.0401, 20.6692, 25.4455
YIQ	105.1160, -65.6970, -26.3450

Conversions

Conversions Part 2

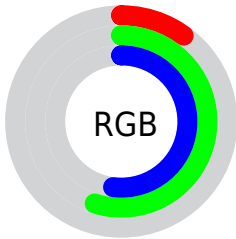
Format	Color
R_{YB}	26, 85, 140
Decimal	1739909
CIE _{Lab}	52.59, -31.32, -4.94
CIE _{LCh}	53, 31.704, 188.965
Yxy	20.6692, 0.2334, 0.3436
Android (android.graphics.Color)	4279929989 (0xFF1A8C85)
YUV	105.1160, 13.7468, -69.3847
Hunter-Lab	45.4634, -24.4360, -1.3598

Details

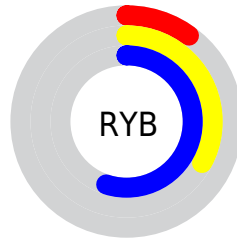
The Yxy color **20.6692, 0.2334, 0.3436** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.4282, 0.5739, 0.3219**, and the grayscale version is **14.1427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4559, 0.2505, 0.3408**, and **7.7849, 0.2291, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **20.5044, 0.2310, 0.3456**, and if you desaturate by 10%, it is **20.9259, 0.2375, 0.3416**.

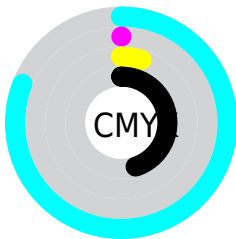
Distribution



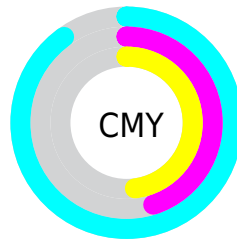
- Red (10%)
- Green (55%)
- Blue (52%)



- Red (10%)
- Yellow (33%)
- Blue (55%)



- Cyan (81%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)




- Cyan (90%)
- Magenta (45%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6692, 0.2334, 0.3436 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 20.6692, 0.2334, 0.3436 by changing the saturation by 10% instead.


 20.6692, 0.2334,
0.3436


 20.6692, 0.2334,
0.3436


 255.5152, 0.2776,
0.3362


 12.8824, 0.2207,
0.3454


 44.5363, 0.2507,
0.3409


 7.3476, 0.2032,
0.3475


 61.3855, 0.2568,
0.3399


 3.6804, 0.1778,
0.3499

 82.0242, 0.2618,
0.3390


 1.4965, 0.1325,
0.3541

 106.8369, 0.2660,
0.3383

 0.2862, 0.0000,
0.3034

 136.2079, 0.2696,
0.3377

 0.0000, 0.0000,
0.0000

 170.5217, 0.2726,

0.3371

210.1627, 0.2753,
0.3366

■ 20.6692, 0.2334,
0.3436

■ 20.6692, 0.2334,
0.3436

■ 20.5044, 0.2310,
0.3456

■ 20.9259, 0.2375,
0.3416

■ 20.4053, 0.2298,
0.3473

■ 21.2838, 0.2435,
0.3396

■ 21.7534, 0.2512,
0.3377

■ 22.3435, 0.2606,
0.3358

■ 23.0619, 0.2715,
0.3340

■ 23.9157, 0.2837,
0.3322

■ 24.9117, 0.2968,
0.3307

■ 26.0560, 0.3108,
0.3292

■ 27.3545, 0.3252,
0.3279

Harmonies

Analogous

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



20.6692, 0.2775, 0.4006



20.6692, 0.2334, 0.3436



20.6692, 0.2110, 0.2882

Triad

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



20.6692, 0.2334, 0.3436



20.6692, 0.2835, 0.2452



20.6692, 0.4219, 0.3963

Complementary

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



20.6692, 0.2334, 0.3436



6.4282, 0.5739, 0.3219

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.



20.6692, 0.4264, 0.3528



20.6692, 0.2334, 0.3436



20.6692, 0.3420, 0.2703

Square

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



20.6692, 0.2334, 0.3436



20.6692, 0.2377, 0.2380



20.6692, 0.3964, 0.3083



20.6692, 0.3868, 0.4280

Rectangle

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



20.6692, 0.2334, 0.3436



20.6692, 0.2094, 0.2614



20.6692, 0.3964, 0.3083



20.6692, 0.4272, 0.3825

Sweetspot

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



20.6700, 0.2334, 0.3436



41.6671, 0.2797, 0.3328



19.1650, 0.3047, 0.5717



9.4906, 0.2758, 0.3333



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.



20.6700, 0.2334, 0.3436



36.0004, 0.2301, 0.3473



9.5346, 0.1990, 0.2138



5.6834, 0.2999, 0.3303



18.1330, 0.2298, 0.3472



0.1212, 0.2270, 0.3373

Inverse Universe

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



6.4282, 0.5739, 0.3219



9.9415, 0.6298, 0.3262



10.7436, 0.5087, 0.4034



5.0532, 0.3271, 0.3277



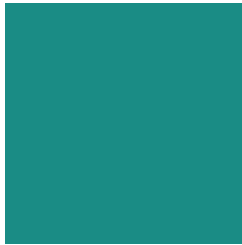
4.9719, 0.6306, 0.3247



0.0336, 0.5898, 0.3022

Previews

White Background



This preview shows how the Yxy color 20.6692, 0.2334, 0.3436 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 20.6692, 0.2334, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

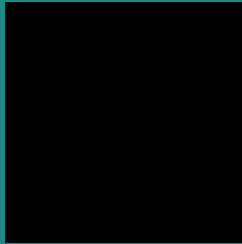
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6692, 0.2334, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 20.6692, 0.2334, 0.3436.



This preview shows how white text looks on a background with the Yxy color 20.6692, 0.2334, 0.3436.

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

20.6692, 0.2334, 0.3436

Protanopia

20.3826, 0.3164, 0.3290

Deuteranopia

20.3062, 0.3068, 0.3008



Tritanopia

20.7782, 0.2265, 0.3066

Trichromacy



Original Color

20.6692, 0.2334, 0.3436

Protanomaly

19.6712, 0.2729, 0.3349

Deuteranomaly

19.5431, 0.2672, 0.3132

Tritanomaly

20.7885, 0.2290, 0.3205

Monochromacy



Original Color

20.6692, 0.2334, 0.3436

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.7312, 0.2678, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6692, 0.2334, 0.3436 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(26, 140, 133)` looks like.

```
.text, #text, p{  
    color:rgb(26, 140, 133)  
}
```

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(26, 140, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 140, 133) }
```

Border

The CSS property to change the border of an element to Yxy 20.6692, 0.2334, 0.3436 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(26, 140, 133) }
```

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

```
.border{ border-color:rgb(26, 140, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 140, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 140, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 140, 133);  
box-shadow:4px 4px 4px 4px rgb(26, 140,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6692, 0.2334, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 140, 133) }
```

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

```
.background{ background-color: rgb(26, 140,  
133) }
```

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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