

Converting Colors

$Y_{xy}(21.2693, 0.2364, 0.3520)$

Have a look what the booklet for
Yxy(21.2693, 0.2364, 0.3520)
contains.

Yxy(21.2316, 0.2363, 0.3521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2316, 0.2363, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	1C8E83
RGB	28, 142, 131
RGB Percent	11%, 56%, 51%
CMY	0.8901, 0.4431, 0.4863
CMYK	0.80, 0.00, 0.08, 0.44
HSL	174°, 67%, 33%
HSV	174°, 80%, 56%
XYZ	14.2489, 21.2316, 24.8194
YIQ	106.6600, -64.4130, -27.5890

Conversions

Conversions Part 2

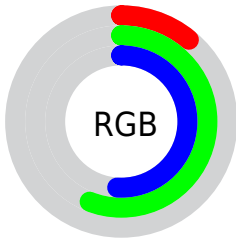
Format	Color
R _Y B	28, 88, 142
Decimal	1871491
CIE Lab	53.20, -32.67, -2.86
CIE LCh	53, 32.796, 185.001
Yxy	21.2316, 0.2363, 0.3521
Android (android.graphics.Color)	4280061571 (0xFF1C8E83)
YUV	106.6600, 11.9996, -68.9848
Hunter-Lab	46.0778, -25.4376, 0.3183

Details

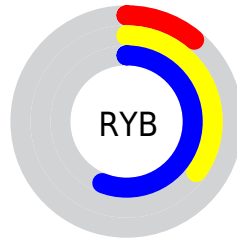
The Yxy color **21.2316, 0.2363, 0.3521** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.7291, 0.5616, 0.3165**, and the grayscale version is **14.5857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3202, 0.2526, 0.3468**, and **8.0914, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **21.0402, 0.2340, 0.3553**, and if you desaturate by 10%, it is **21.5196, 0.2404, 0.3489**.

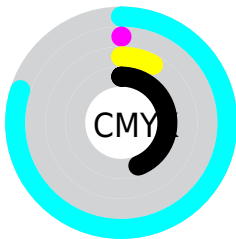
Distribution



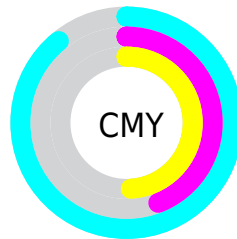
- Red (11%)
- Green (56%)
- Blue (51%)



- Red (11%)
- Yellow (35%)
- Blue (56%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (44%)





- Cyan (89%)
- Magenta (44%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2316, 0.2363, 0.3521 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 21.2316, 0.2363, 0.3521 by changing the saturation by 10% instead.


 21.2316, 0.2363,
0.3521


 21.2316, 0.2363,
0.3521


258.5068, 0.2789,
0.3396


 13.2934, 0.2240,
0.3555


 45.4727, 0.2529,
0.3474


 7.6309, 0.2071,
0.3600


 62.5443, 0.2588,
0.3456


 3.8597, 0.1826,
0.3661

 83.4292, 0.2637,
0.3442

 1.5954, 0.1396,
0.3765

 108.5118, 0.2677,
0.3430

 0.3545, 0.0000,
0.3770

 138.1765, 0.2711,
0.3420

 0.0000, 0.0000,
0.0000

 172.8076, 0.2741,

0.3411

212.7896, 0.2766,
0.3403

■ 21.2316, 0.2363,
0.3521

■ 21.2316, 0.2363,
0.3521

■ 21.0402, 0.2340,
0.3553

■ 21.5196, 0.2404,
0.3489

■ 20.9128, 0.2329,
0.3584

■ 21.9135, 0.2463,
0.3457

■ 22.4243, 0.2540,
0.3425

■ 23.0609, 0.2633,
0.3395

■ 23.8312, 0.2740,
0.3366

■ 24.7427, 0.2859,
0.3339

■ 25.8022, 0.2988,
0.3314

■ 27.0160, 0.3123,
0.3291

■ 28.3902, 0.3263,
0.3270

Harmonies

Analogous

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



21.2316, 0.2837, 0.4089



21.2316, 0.2363, 0.3521



21.2316, 0.2103, 0.2937

Triad

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



21.2316, 0.2363, 0.3521



21.2316, 0.2755, 0.2413



21.2316, 0.4271, 0.3921

Complementary

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



21.2316, 0.2363, 0.3521



6.7291, 0.5616, 0.3165

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.



21.2316, 0.4272, 0.3470



21.2316, 0.2363, 0.3521



21.2316, 0.3345, 0.2647

Square

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



21.2316, 0.2363, 0.3521



21.2316, 0.2313, 0.2365



21.2316, 0.3921, 0.3021



21.2316, 0.3946, 0.4273

Rectangle

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



21.2316, 0.2363, 0.3521



21.2316, 0.2066, 0.2643



21.2316, 0.3921, 0.3021



21.2316, 0.4312, 0.3776

Sweetspot

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



21.2324, 0.2363, 0.3521



42.9190, 0.2808, 0.3350



19.8701, 0.3070, 0.5681



9.4747, 0.2770, 0.3359



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.



21.2324, 0.2363, 0.3521



36.9372, 0.2333, 0.3578



10.6410, 0.2023, 0.2247



6.1075, 0.3002, 0.3311



18.7776, 0.2329, 0.3583



0.1812, 0.2285, 0.3424

Inverse Universe

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



6.7291, 0.5616, 0.3165



10.3679, 0.6201, 0.3228



10.6811, 0.5125, 0.3970



5.4320, 0.3267, 0.3269



5.1925, 0.6253, 0.3218



0.0510, 0.5652, 0.2887

Previews

White Background



This preview shows how the Yxy color 21.2316, 0.2363, 0.3521 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 21.2316, 0.2363, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

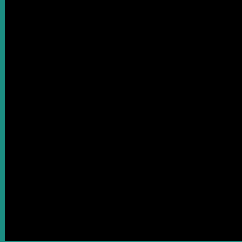
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2316, 0.2363, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 21.2316, 0.2363, 0.3521.



This preview shows how white text looks on a background with the Yxy color 21.2316, 0.2363, 0.3521.

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

21.2316, 0.2363, 0.3521

Protanopia

21.0727, 0.3220, 0.3363

Deuteranopia

20.9835, 0.3125, 0.3080



Tritanopia

21.1808, 0.2279, 0.3068

Trichromacy



Original Color

21.2316, 0.2363, 0.3521

Protanomaly

20.3104, 0.2780, 0.3429

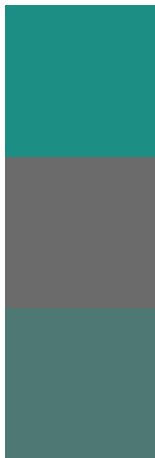
Deuteranomaly

20.1194, 0.2714, 0.3211

Tritanomaly

21.1514, 0.2309, 0.3226

Monochromacy



Original Color

21.2316, 0.2363, 0.3521

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.3136, 0.2693, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2316, 0.2363, 0.3521 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, 142, 131)` looks like.

```
.text, #text, p{  
  color:rgb(28, 142, 131)  
}
```

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, 142, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 142, 131) }
```

Border

The CSS property to change the border of an element to Yxy 21.2316, 0.2363, 0.3521 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, 142, 131) }
```

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

```
.border{ border-color:rgb(28, 142, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 142, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 142, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 142, 131);  
box-shadow:4px 4px 4px 4px rgb(28, 142,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2316, 0.2363, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 142, 131) }
```

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

```
.background{ background-color: rgb(28, 142,  
131) }
```

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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