

Converting Colors

$Yxy(21.4092, 0.2412, 0.3667)$

Have a look what the booklet for
Yxy(21.4092, 0.2412, 0.3667)
contains.

Yxy(21.4016, 0.2414, 0.3674)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4016, 0.2414, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	1E8F7D
RGB	30, 143, 125
RGB Percent	12%, 56%, 49%
CMY	0.8818, 0.4392, 0.5098
CMYK	0.79, 0.00, 0.13, 0.44
HSL	170°, 65%, 34%
HSV	170°, 79%, 56%
XYZ	14.0619, 21.4016, 22.7880
YIQ	107.1610, -61.5700, -29.5540

Conversions

Conversions Part 2

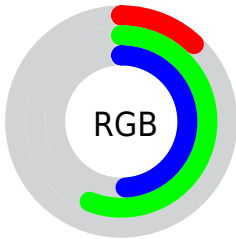
Format	Color
R_{YB}	30, 91, 143
Decimal	2002813
CIE _{Lab}	53.39, -34.63, 0.89
CIE _{LCh}	53, 34.643, 178.532
Yxy	21.4016, 0.2414, 0.3674
Android (android.graphics.Color)	4280192893 (0xFF1E8F7D)
YUV	107.1610, 8.7946, -67.6702
Hunter-Lab	46.2619, -26.7008, 3.1778

Details

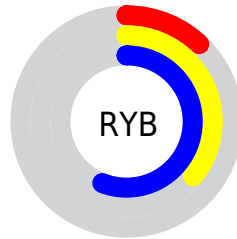
The Yxy color **21.4016, 0.2414, 0.3674** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.9897, 0.5401, 0.3061**, and the grayscale version is **14.7493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5798, 0.2567, 0.3575**, and **8.1761, 0.2392, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **21.1754, 0.2393, 0.3729**, and if you desaturate by 10%, it is **21.7286, 0.2453, 0.3619**.

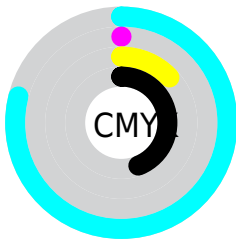
Distribution



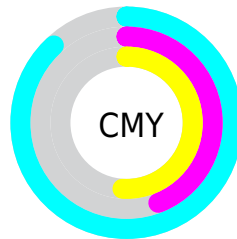
- Red (12%)
- Green (56%)
- Blue (49%)



- Red (12%)
- Yellow (36%)
- Blue (56%)



- Cyan (79%)
- Magenta (0%)
- Yellow (13%)
- Black (44%)





- Cyan (88%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4016, 0.2414, 0.3674 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 21.4016, 0.2414, 0.3674 by changing the saturation by 10% instead.


 21.4016, 0.2414,
0.3674


 21.4016, 0.2414,
0.3674


 259.4051, 0.2814,
0.3458


 13.4179, 0.2297,
0.3738


 45.7550, 0.2571,
0.3589


 7.7169, 0.2135,
0.3827


 62.8934, 0.2627,
0.3559

 3.9144, 0.1898,
0.3959

 83.8522, 0.2672,
0.3534

 1.6258, 0.1456,
0.4203

 109.0157, 0.2710,
0.3514

 0.3749, 0.0000,
0.5199

 138.7683, 0.2742,
0.3496

 0.0000, 0.0000,
0.0000

 173.4945, 0.2769,

0.3482

213.5787, 0.2793,
0.3469

■ 21.4016, 0.2414,
0.3674

■ 21.4016, 0.2414,
0.3674

■ 21.1754, 0.2393,
0.3729

■ 21.7286, 0.2453,
0.3619

■ 21.0203, 0.2387,
0.3785

■ 22.1655, 0.2510,
0.3564

■ 21.0043, 0.2386,
0.3791

■ 22.7233, 0.2584,
0.3511

■ 23.4110, 0.2674,
0.3460

■ 24.2366, 0.2777,
0.3411

■ 25.2075, 0.2891,
0.3366

■ 26.3306, 0.3014,
0.3324

■ 27.6124, 0.3141,
0.3286

■ 29.0589, 0.3272,
0.3252

Harmonies

Analogous

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



21.4016, 0.2946, 0.4234



21.4016, 0.2414, 0.3674



21.4016, 0.2091, 0.3035

Triad

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



21.4016, 0.2414, 0.3674



21.4016, 0.2618, 0.2344



21.4016, 0.4362, 0.3848

Complementary

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



21.4016, 0.2414, 0.3674



6.9897, 0.5401, 0.3061

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.



21.4016, 0.4283, 0.3370



21.4016, 0.2414, 0.3674



21.4016, 0.3215, 0.2550

Square

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



21.4016, 0.2414, 0.3674



21.4016, 0.2203, 0.2338



21.4016, 0.3845, 0.2912



21.4016, 0.4082, 0.4256

Rectangle

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



21.4016, 0.2414, 0.3674



21.4016, 0.2016, 0.2695



21.4016, 0.3845, 0.2912



21.4016, 0.4379, 0.3691

Sweetspot

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



21.4024, 0.2414, 0.3674



44.1410, 0.2827, 0.3391



20.3901, 0.3120, 0.5619



9.9986, 0.2791, 0.3406



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.4024, 0.2414, 0.3674



37.7074, 0.2389, 0.3774



12.4416, 0.2082, 0.2446



6.1017, 0.3010, 0.3325



18.5753, 0.2386, 0.3788



0.1802, 0.2312, 0.3522

Inverse Universe

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



6.9897, 0.5401, 0.3061



10.7968, 0.6042, 0.3147



10.0391, 0.5214, 0.3844



5.4373, 0.3258, 0.3255



5.2196, 0.6124, 0.3147



0.0520, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 21.4016, 0.2414, 0.3674 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 21.4016, 0.2414, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

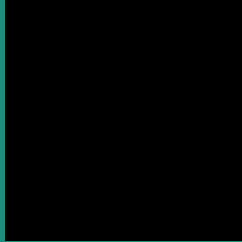
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4016, 0.2414, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 21.4016, 0.2414, 0.3674.

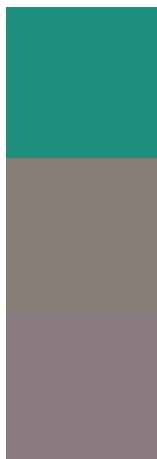


This preview shows how white text looks on a background with the Yxy color 21.4016, 0.2414, 0.3674.

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

21.4016, 0.2414, 0.3674

Protanopia

21.0882, 0.3313, 0.3471

Deuteranopia

21.1542, 0.3242, 0.3186



Tritanopia

21.3039, 0.2290, 0.3050

Trichromacy



Original Color

21.4016, 0.2414, 0.3674

Protanomaly

20.2673, 0.2856, 0.3551

Deuteranomaly

20.1764, 0.2808, 0.3328

Tritanomaly

21.1806, 0.2326, 0.3247

Monochromacy



Original Color

21.4016, 0.2414, 0.3674

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.3101, 0.2722, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4016, 0.2414, 0.3674 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(30, 143, 125)` looks like.

```
.text, #text, p{  
  color:rgb(30, 143, 125)  
}
```

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(30, 143, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 143, 125) }
```

Border

The CSS property to change the border of an element to Yxy 21.4016, 0.2414, 0.3674 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(30, 143, 125) }
```

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

```
.border{ border-color:rgb(30, 143, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 143, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 143, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 143, 125);  
box-shadow:4px 4px 4px 4px rgb(30, 143,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4016, 0.2414, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 143, 125) }
```

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

```
.background{ background-color: rgb(30, 143,  
125) }
```

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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