

Converting Colors

$Y_{xy}(21.0101, 0.2430, 0.3132)$

Have a look what the booklet for
Yxy(21.0101, 0.2430, 0.3132)
contains.

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Color

Yxy(21.0982, 0.2432, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	438990
RGB	67, 137, 144
RGB Percent	26%, 54%, 56%
CMY	0.7373, 0.4627, 0.4352
CMYK	0.53, 0.05, 0.00, 0.44
HSL	185°, 37%, 41%
HSV	185°, 53%, 56%
XYZ	16.2943, 21.0982, 29.6072
YIQ	116.8680, -43.9670, -12.6630

Conversions

Conversions Part 2

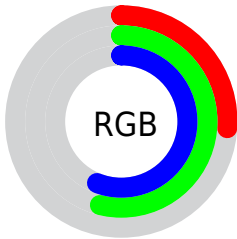
Format	Color
RYB	67, 104, 144
Decimal	4426128
CIELab	53.06, -19.90, -10.51
CIElCh	53, 22.503, 207.837
Yxy	21.0982, 0.2432, 0.3149
Android (android.graphics.Color)	4282616208 (0xFF438990)
YUV	116.8680, 13.3761, -43.7342
Hunter-Lab	45.9328, -17.0608, -6.0640

Details

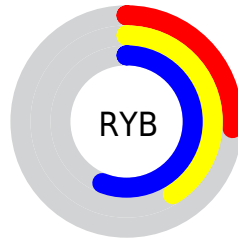
The Yxy color **21.0982, 0.2432, 0.3149** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.2331, 0.4551, 0.3416**, and the grayscale version is **17.7132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4038, 0.2578, 0.3189**, and **7.6245, 0.2186, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **20.2812, 0.2344, 0.3119**, and if you desaturate by 10%, it is **22.0479, 0.2537, 0.3179**.

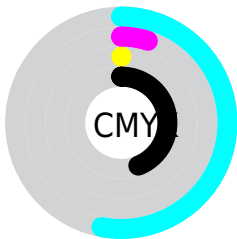
Distribution



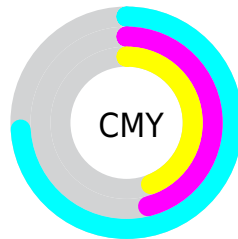
- Red (26%)
- Green (54%)
- Blue (56%)



- Red (26%)
- Yellow (41%)
- Blue (56%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (44%)



- Cyan (74%)
- Magenta (46%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0982, 0.2432, 0.3149 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 21.0982, 0.2432, 0.3149 by changing the saturation by 10% instead.

21.0982, 0.2432,
0.3149

21.0982, 0.2432,
0.3149

257.7999, 0.2817,
0.3237

13.1958, 0.2322,
0.3119

45.2509, 0.2582,
0.3187

7.5635, 0.2172,
0.3073

62.2700, 0.2635,
0.3199

3.8169, 0.1955,
0.2999

83.0968, 0.2679,
0.3209

1.5717, 0.1619,
0.2863

108.1157, 0.2715,
0.3217

0.3384, 0.0000,
0.2337

137.7110, 0.2746,
0.3223

0.0000, 0.0000,
0.0000

172.2673, 0.2773,

0.3229

212.1688, 0.2796,
0.3233

■ 21.0982, 0.2432,
0.3149

■ 21.0982, 0.2432,
0.3149

■ 20.2812, 0.2344,
0.3119

■ 22.0479, 0.2537,
0.3179

■ 19.5849, 0.2274,
0.3088

■ 23.1366, 0.2656,
0.3207

■ 18.9993, 0.2222,
0.3058

■ 24.3728, 0.2787,
0.3234

■ 18.5111, 0.2187,
0.3027

■ 25.7638, 0.2928,
0.3259

■ 18.2207, 0.2169,
0.3008

■ 27.3164, 0.3075,
0.3282

■ 29.0370, 0.3226,
0.3304

■ 30.9315, 0.3378,
0.3323

■ 33.0057, 0.3530,
0.3340

■ 35.2650, 0.3680,
0.3355

Harmonies

Analogous

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



21.0982, 0.2666, 0.3550



21.0982, 0.2432, 0.3149



21.0982, 0.2374, 0.2825

Triad

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



21.0982, 0.2432, 0.3149



21.0982, 0.3183, 0.2780



21.0982, 0.3775, 0.3937

Complementary

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



21.0982, 0.2432, 0.3149



11.2331, 0.4551, 0.3416

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.



21.0982, 0.3940, 0.3683



21.0982, 0.2432, 0.3149



21.0982, 0.3589, 0.3035

Square

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



21.0982, 0.2432, 0.3149



21.0982, 0.2786, 0.2641



21.0982, 0.3874, 0.3356



21.0982, 0.3438, 0.4028

Rectangle

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



21.0982, 0.2432, 0.3149



21.0982, 0.2437, 0.2691



21.0982, 0.3874, 0.3356



21.0982, 0.3853, 0.3866

Sweetspot

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



21.0990, 0.2432, 0.3149



44.7036, 0.2887, 0.3252



21.6317, 0.3003, 0.4810



10.1475, 0.2861, 0.3247



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.



21.0990, 0.2432, 0.3149



35.5215, 0.2330, 0.3113



12.1454, 0.2269, 0.2332



6.0335, 0.2990, 0.3269



15.8796, 0.2169, 0.3009



0.1677, 0.2211, 0.3159

Inverse Universe

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



11.7490, 0.3292, 0.2145



17.5808, 0.3334, 0.1950



17.9068, 0.4159, 0.4069



5.5027, 0.3150, 0.3092



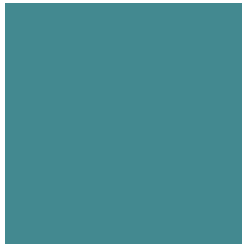
6.5894, 0.3446, 0.1672



0.0646, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 21.0982, 0.2432, 0.3149 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 21.0982, 0.2432, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

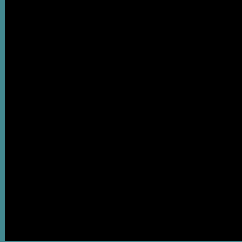
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0982, 0.2432, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 21.0982, 0.2432, 0.3149.

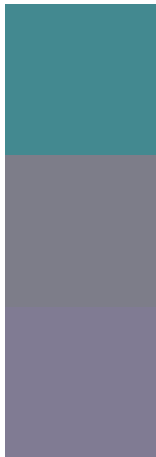


This preview shows how white text looks on a background with the Yxy color 21.0982, 0.2432, 0.3149.

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

21.0982, 0.2432, 0.3149

Protanopia

20.8333, 0.2997, 0.3075

Deuteranopia

20.8617, 0.2926, 0.2873



Tritanopia

20.9438, 0.2413, 0.3072

Trichromacy



Original Color

21.0982, 0.2432, 0.3149

Protanomaly

20.5370, 0.2745, 0.3082

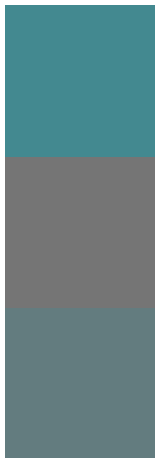
Deuteranomaly

20.5778, 0.2708, 0.2957

Tritanomaly

20.9126, 0.2421, 0.3091

Monochromacy



Original Color

21.0982, 0.2432, 0.3149

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.6003, 0.2810, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0982, 0.2432, 0.3149 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(67, 137, 144)` looks like.

```
.text, #text, p{  
    color:rgb(67, 137, 144)  
}
```

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(67, 137, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 137, 144) }
```

Border

The CSS property to change the border of an element to Yxy 21.0982, 0.2432, 0.3149 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(67, 137, 144) }
```

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

```
.border{ border-color:rgb(67, 137, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 137, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 137, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 137, 144);  
box-shadow:4px 4px 4px 4px rgb(67, 137,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0982, 0.2432, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 137, 144) }
```

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

```
.background{ background-color: rgb(67, 137,  
144) }
```

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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