

Converting Colors

$Y_{xy}(21.1903, 0.3396, 0.4485)$

Have a look what the booklet for
Yxy(21.1903, 0.3396, 0.4485)
contains.

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Color

Yxy(21.1943, 0.3392, 0.4478)

Conversions

Conversions Part 1

Format	Color
Hex	6A884C
RGB	106, 136, 76
RGB Percent	42%, 53%, 30%
CMY	0.5842, 0.4667, 0.7020
CMYK	0.22, 0.00, 0.44, 0.47
HSL	90°, 28%, 42%
HSV	90°, 44%, 53%
XYZ	16.0543, 21.1943, 10.0813
YIQ	120.1900, 1.3800, -25.0200

Conversions

Conversions Part 2

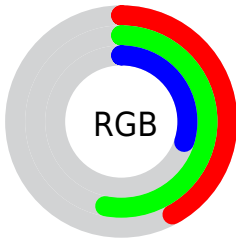
Format	Color
RYB	76, 136, 106
Decimal	6981708
CIELab	53.16, -21.72, 28.76
CIELCh	53, 36.045, 127.057
Yxy	21.1943, 0.3392, 0.4478
Android (android.graphics.Color)	4285171788 (0xFF6A884C)
YUV	120.1900, -21.7857, -12.4446
Hunter-Lab	46.0373, -18.3181, 19.2427

Details

The Yxy color **21.1943, 0.3392, 0.4478** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.0085, 0.2729, 0.2106**, and the grayscale version is **18.9187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1707, 0.3346, 0.4191**, and **7.6192, 0.3433, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **20.6256, 0.3431, 0.4764**, and if you desaturate by 10%, it is **21.8378, 0.3341, 0.4189**.

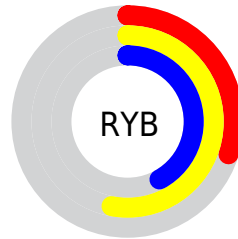
Distribution



Red (42%)

Green (53%)

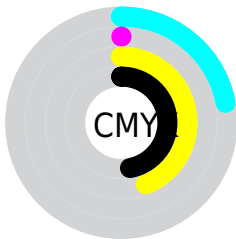
Blue (30%)



Red (30%)

Yellow (53%)

Blue (42%)

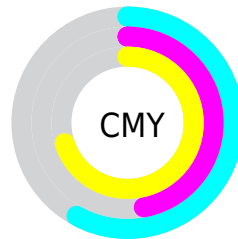


Cyan (22%)

Magenta (0%)

Yellow (44%)

Black (47%)



Cyan (58%)


Magenta (47%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1943, 0.3392, 0.4478 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 21.1943, 0.3392, 0.4478 by changing the saturation by 10% instead.


 21.1943, 0.3392,
0.4478


 21.1943, 0.3392,
0.4478


258.3093, 0.3264,
0.3782


 13.2661, 0.3415,
0.4693


 45.4107, 0.3350,
0.4196


 7.6120, 0.3434,
0.4997


 62.4677, 0.3332,
0.4099

 3.8477, 0.3433,
0.5459

 83.3363, 0.3317,
0.4021

 1.5887, 0.3498,
0.6502

 108.4011, 0.3303,
0.3957

 0.3500, 0.0000,
1.0000

 138.0464, 0.3292,
0.3902

 0.0000, 0.0000,
0.0000

172.6566, 0.3281,

0.3856

212.6161, 0.3272,
0.3817

■ 21.1943, 0.3392,
0.4478

■ 21.1943, 0.3392,
0.4478

■ 20.6256, 0.3431,
0.4764

■ 21.8378, 0.3341,
0.4189

■ 20.1257, 0.3455,
0.5034

■ 22.5565, 0.3282,
0.3906

■ 19.6918, 0.3459,
0.5275


■ 23.3540, 0.3219,
0.3637


■ 19.3199, 0.3443,
0.5473


■ 24.2331, 0.3154,
0.3387

■ 19.0051, 0.3407,
0.5620

■ 25.1964, 0.3089,
0.3158

 18.8389, 0.3384,
0.5695

 26.2462, 0.3027,
0.2949

 27.3849, 0.2967,
0.2762

 28.6147, 0.2910,
0.2593

 29.9377, 0.2857,
0.2443

Harmonies

Analogous

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



21.1943, 0.3982, 0.4382



21.1943, 0.3392, 0.4478



21.1943, 0.2763, 0.4142

Triad

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



21.1943, 0.3392, 0.4478



21.1943, 0.2007, 0.2441



21.1943, 0.4038, 0.3024

Complementary

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



21.1943, 0.3392, 0.4478



10.0085, 0.2729, 0.2106

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.



21.1943, 0.3410, 0.2614



21.1943, 0.3392, 0.4478



21.1943, 0.2265, 0.2280

Square

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



21.1943, 0.3392, 0.4478



21.1943, 0.2003, 0.2857



21.1943, 0.2758, 0.2350



21.1943, 0.4399, 0.3510

Rectangle

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



21.1943, 0.3392, 0.4478



21.1943, 0.2406, 0.3724



21.1943, 0.2758, 0.2350



21.1943, 0.3847, 0.2875

Sweetspot

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



21.1952, 0.3392, 0.4478



41.2817, 0.3213, 0.3616



15.8585, 0.3988, 0.3831



9.4931, 0.3226, 0.3667



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.1952, 0.3392, 0.4478



36.3464, 0.3431, 0.4765



19.7074, 0.3075, 0.4602



5.7231, 0.3187, 0.3511



17.8363, 0.3385, 0.5694



0.1272, 0.3724, 0.5425

Inverse Universe

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



10.0085, 0.2729, 0.2106



13.9623, 0.2609, 0.1822



12.0967, 0.3161, 0.2247



5.0069, 0.3063, 0.3069



2.8493, 0.2049, 0.0902



0.0276, 0.2534, 0.1170

Previews

White Background



This preview shows how the Yxy color 21.1943, 0.3392, 0.4478 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 21.1943, 0.3392, 0.4478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

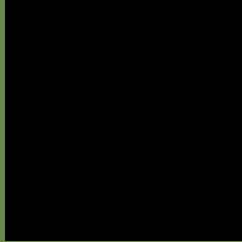
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1943, 0.3392, 0.4478

Background



This preview shows how black text looks on a background with the Yxy color 21.1943, 0.3392, 0.4478.



This preview shows how white text looks on a background with the Yxy color 21.1943, 0.3392, 0.4478.

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

21.1943, 0.3392, 0.4478

Protanopia

21.1488, 0.3892, 0.4234

Deuteranopia

21.0262, 0.4044, 0.3970



Tritanopia

21.2094, 0.2868, 0.3106

Trichromacy



Original Color

21.1943, 0.3392, 0.4478

Protanomaly

20.9717, 0.3704, 0.4322

Deuteranomaly

20.7205, 0.3794, 0.4133

Tritanomaly

21.2082, 0.3068, 0.3597

Monochromacy



Original Color

21.1943, 0.3392, 0.4478

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5660, 0.3239, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1943, 0.3392, 0.4478 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(106, 136, 76)` looks like.

```
.text, #text, p{  
    color:rgb(106, 136, 76)  
}
```

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(106, 136, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 136, 76) }
```

Border

The CSS property to change the border of an element to Yxy 21.1943, 0.3392, 0.4478 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(106, 136, 76) }
```

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

```
.border{ border-color:rgb(106, 136, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 136, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 136, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 136, 76);  
box-shadow:4px 4px 4px 4px rgb(106, 136,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1943, 0.3392, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 136, 76) }
```

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

```
.background{ background-color: rgb(106,  
136, 76) }
```

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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