

Converting Colors

$Y_{xy}(21.8465, 0.3234, 0.4372)$

Have a look what the booklet for
Yxy(21.8465, 0.3234, 0.4372)
contains.

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Color

Yxy(21.8304, 0.3231, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	648B55
RGB	100, 139, 85
RGB Percent	39%, 55%, 33%
CMY	0.6078, 0.4549, 0.6666
CMYK	0.28, 0.00, 0.39, 0.45
HSL	103°, 24%, 44%
HSV	103°, 39%, 55%
XYZ	16.1294, 21.8304, 11.9610
YIQ	121.1830, -5.9100, -25.0620

Conversions

Conversions Part 2

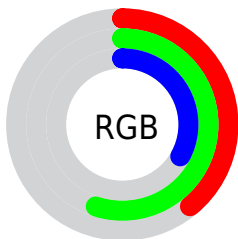
Format	Color
R_{YB}	85, 139, 124
Decimal	6589269
CIE _{Lab}	53.85, -24.24, 24.64
CIE _{LCh}	54, 34.567, 134.535
Yxy	21.8304, 0.3231, 0.4373
Android (android.graphics.Color)	4284779349 (0xFF648B55)
YUV	121.1830, -17.8382, -18.5775
Hunter-Lab	46.7230, -20.1446, 17.5279

Details

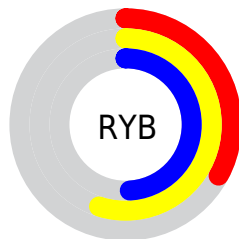
The Yxy color **21.8304, 0.3231, 0.4373** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6489, 0.2956, 0.2305**, and the grayscale version is **19.2447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5646, 0.3222, 0.4123**, and **7.9950, 0.3218, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **21.0939, 0.3244, 0.4691**, and if you desaturate by 10%, it is **22.6827, 0.3210, 0.4064**.

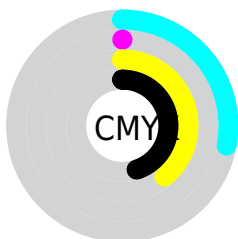
Distribution



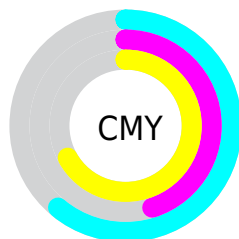
- Red (39%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (49%)



- Cyan (28%)
- Magenta (0%)
- Yellow (39%)
- Black (45%)




- Cyan (61%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8304, 0.3231, 0.4373 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 21.8304, 0.3231, 0.4373 by changing the saturation by 10% instead.


 21.8304, 0.3231,
0.4373


 21.8304, 0.3231,
0.4373


261.6593, 0.3190,
0.3737


 13.7323, 0.3232,
0.4572


 46.4655, 0.3221,
0.4114


 7.9347, 0.3224,
0.4857


 63.7714, 0.3216,
0.4026


 4.0532, 0.3187,
0.5293

 84.9153, 0.3211,
0.3955

 1.7034, 0.3369,
0.6631

 110.2816, 0.3206,
0.3896

 0.4258, 0.0000,
1.0000

 140.2548, 0.3201,
0.3847

 0.0000, 0.0000,
0.0000

175.2192, 0.3197,

0.3805

215.5592, 0.3194,
0.3769

■ 21.8304, 0.3231,
0.4373

■ 21.8304, 0.3231,
0.4373

■ 21.0939, 0.3244,
0.4691

■ 22.6827, 0.3210,
0.4064

■ 20.4654, 0.3247,
0.5004

■ 23.6527, 0.3184,
0.3773

■ 19.9402, 0.3238,
0.5295


■ 24.7460, 0.3154,
0.3505

■ 19.5122, 0.3216,
0.5545

■ 25.9667, 0.3124,
0.3263

■ 19.1747, 0.3181,
0.5738

■ 27.3189, 0.3092,
0.3047


 18.9154, 0.3140,
0.5876

 28.8065, 0.3062,
0.2856

 18.8890, 0.3136,
0.5892

 30.4330, 0.3032,
0.2687

 32.2022, 0.3004,
0.2538

 34.1173, 0.2978,
0.2407

Harmonies

Analogous

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



21.8304, 0.3817, 0.4385



21.8304, 0.3231, 0.4373



21.8304, 0.2647, 0.3959

Triad

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



21.8304, 0.3231, 0.4373



21.8304, 0.2096, 0.2421



21.8304, 0.4108, 0.3151

Complementary

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



21.8304, 0.3231, 0.4373



12.6489, 0.2956, 0.2305

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.



21.8304, 0.3557, 0.2732



21.8304, 0.3231, 0.4373



21.8304, 0.2403, 0.2322

Square

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



21.8304, 0.3231, 0.4373



21.8304, 0.2030, 0.2760



21.8304, 0.2923, 0.2438



21.8304, 0.4363, 0.3626

Rectangle

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



21.8304, 0.3231, 0.4373



21.8304, 0.2337, 0.3540



21.8304, 0.2923, 0.2438



21.8304, 0.3948, 0.3001

Sweetspot

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



21.8313, 0.3231, 0.4373



43.6205, 0.3165, 0.3594



20.4863, 0.3780, 0.3980



10.0006, 0.3168, 0.3623



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.



21.8313, 0.3231, 0.4373



37.8762, 0.3243, 0.4665



21.2549, 0.2970, 0.4174



5.6711, 0.3155, 0.3513



17.0561, 0.3139, 0.5890



0.1199, 0.3444, 0.5647

Inverse Universe

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



12.6489, 0.2956, 0.2305



18.9054, 0.2900, 0.2068



13.5288, 0.3340, 0.2546



5.0603, 0.3096, 0.3072



4.1563, 0.2534, 0.1170



0.0349, 0.2867, 0.1353

Previews

White Background



This preview shows how the Yxy color 21.8304, 0.3231, 0.4373 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 21.8304, 0.3231, 0.4373 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 21.8304, 0.3231, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 21.8304, 0.3231, 0.4373.



This preview shows how white text looks on a background with the Yxy color 21.8304, 0.3231, 0.4373.

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

21.8304, 0.3231, 0.4373

Protanopia

21.6079, 0.3811, 0.4114

Deuteranopia

21.6595, 0.3922, 0.3857



Tritanopia

21.7369, 0.2772, 0.3087

Trichromacy



Original Color

21.8304, 0.3231, 0.4373

Protanomaly

21.4717, 0.3584, 0.4221

Deuteranomaly

21.4734, 0.3650, 0.4031

Tritanomaly

21.7973, 0.2943, 0.3540

Monochromacy



Original Color

21.8304, 0.3231, 0.4373

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0318, 0.3168, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8304, 0.3231, 0.4373 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(100, 139, 85)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 85)  
}
```

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(100, 139, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 85) }
```

Border

The CSS property to change the border of an element to Yxy 21.8304, 0.3231, 0.4373 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(100, 139, 85) }
```

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

```
.border{ border-color:rgb(100, 139, 85) }
```

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

Here you see how a box with a 4 pixel rgb(100, 139, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 85);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8304, 0.3231, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 85) }
```

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

```
.background{ background-color: rgb(100,  
139, 85) }
```

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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