

Converting Colors

$Y_{xy}(21.7698, 0.3219, 0.4508)$

Have a look what the booklet for
Yxy(21.7698, 0.3219, 0.4508)
contains.

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Color

Yxy(21.7683, 0.3219, 0.4508)

Conversions

Conversions Part 1

Format	Color
Hex	5F8C50
RGB	95, 140, 80
RGB Percent	37%, 55%, 31%
CMY	0.6276, 0.4510, 0.6862
CMYK	0.32, 0.00, 0.43, 0.45
HSL	105°, 27%, 43%
HSV	105°, 43%, 55%
XYZ	15.5440, 21.7683, 10.9759
YIQ	119.7050, -7.5600, -28.2000

Conversions

Conversions Part 2

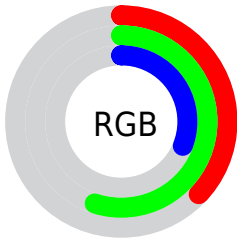
Format	Color
RYB	80, 140, 125
Decimal	6261840
CIELab	53.78, -27.35, 27.23
CIElCh	54, 38.593, 135.123
Yxy	21.7683, 0.3219, 0.4508
Android (android.graphics.Color)	4284451920 (0xFF5F8C50)
YUV	119.7050, -19.5746, -21.6663
Hunter-Lab	46.6565, -22.1803, 18.7116

Details

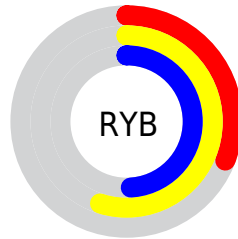
The Yxy color **21.7683, 0.3219, 0.4508** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9984, 0.2957, 0.2208**, and the grayscale version is **18.7480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3983, 0.3215, 0.4219**, and **7.8125, 0.3195, 0.5064** is the 20% darker color. If you saturate the color by 10%, you get **21.0581, 0.3225, 0.4830**, and if you desaturate by 10%, it is **22.5995, 0.3205, 0.4191**.

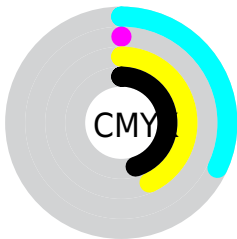
Distribution



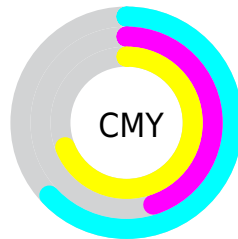
- Red (37%)
- Green (55%)
- Blue (31%)



- Red (31%)
- Yellow (55%)
- Blue (49%)



- Cyan (32%)
- Magenta (0%)
- Yellow (43%)
- Black (45%)




- Cyan (63%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7683, 0.3219, 0.4508 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 21.7683, 0.3219, 0.4508 by changing the saturation by 10% instead.


 21.7683, 0.3219,
0.4508


 21.7683, 0.3219,
0.4508


261.3339, 0.3190,
0.3790


 13.6867, 0.3213,
0.4734


 46.3627, 0.3216,
0.4215

 7.9031, 0.3192,
0.5056


 63.6444, 0.3212,
0.4116


 4.0330, 0.3130,
0.5546

 84.7616, 0.3208,
0.4035

 1.6921, 0.3162,
0.6838

 110.0987, 0.3204,
0.3969

 0.4185, 0.0000,
1.0000

 140.0401, 0.3200,
0.3913

 0.0000, 0.0000,
0.0000

174.9701, 0.3196,

0.3866

215.2733, 0.3193,
0.3825

■ 21.7683, 0.3219,
0.4508

■ 21.7683, 0.3219,
0.4508

■ 21.0581, 0.3225,
0.4830

■ 22.5995, 0.3205,
0.4191

■ 20.4603, 0.3221,
0.5140

■ 23.5542, 0.3185,
0.3889

■ 19.9696, 0.3205,
0.5420


■ 24.6382, 0.3161,
0.3610


■ 19.5792, 0.3177,
0.5650


■ 25.8564, 0.3135,
0.3357


■ 19.2813, 0.3139,
0.5817


■ 27.2131, 0.3108,
0.3131

 19.1137, 0.3113,
0.5910

 28.7127, 0.3081,
0.2930

 30.3591, 0.3055,
0.2753

 32.1563, 0.3030,
0.2598

 34.1081, 0.3006,
0.2462

Harmonies

Analogous

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



21.7683, 0.3872, 0.4512



21.7683, 0.3219, 0.4508



21.7683, 0.2576, 0.4032

Triad

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



21.7683, 0.3219, 0.4508



21.7683, 0.1996, 0.2322



21.7683, 0.4234, 0.3138

Complementary

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



21.7683, 0.3219, 0.4508



11.9984, 0.2957, 0.2208

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.



21.7683, 0.3618, 0.2681



21.7683, 0.3219, 0.4508



21.7683, 0.2334, 0.2225

Square

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



21.7683, 0.3219, 0.4508



21.7683, 0.1918, 0.2682



21.7683, 0.2909, 0.2357



21.7683, 0.4507, 0.3656

Rectangle

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



21.7683, 0.3219, 0.4508



21.7683, 0.2240, 0.3551



21.7683, 0.2909, 0.2357



21.7683, 0.4056, 0.2975

Sweetspot

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



21.7692, 0.3219, 0.4508



43.3467, 0.3162, 0.3621



20.8256, 0.3843, 0.4083



9.8964, 0.3167, 0.3675



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.



21.7692, 0.3219, 0.4508



37.2116, 0.3225, 0.4805



21.2912, 0.2939, 0.4240



5.6646, 0.3151, 0.3513



16.9899, 0.3116, 0.5908



0.1189, 0.3404, 0.5679

Inverse Universe

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



11.9984, 0.2957, 0.2208



17.7082, 0.2905, 0.1979



12.7976, 0.3400, 0.2502



5.0673, 0.3100, 0.3072



4.3661, 0.2602, 0.1207



0.0359, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 21.7683, 0.3219, 0.4508 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 21.7683, 0.3219, 0.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

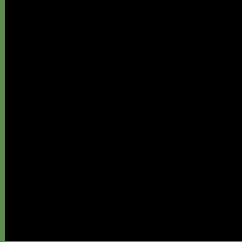
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7683, 0.3219, 0.4508

Background



This preview shows how black text looks on a background with the Yxy color 21.7683, 0.3219, 0.4508.



This preview shows how white text looks on a background with the Yxy color 21.7683, 0.3219, 0.4508.

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

21.7683, 0.3219, 0.4508

Protanopia

21.5356, 0.3865, 0.4196

Deuteranopia

21.4292, 0.4002, 0.3919



Tritanopia

21.8224, 0.2744, 0.3104

Trichromacy



Original Color

21.7683, 0.3219, 0.4508

Protanomaly

21.3234, 0.3623, 0.4315

Deuteranomaly

21.3116, 0.3692, 0.4123

Tritanomaly

21.7892, 0.2921, 0.3601

Monochromacy



Original Color

21.7683, 0.3219, 0.4508

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5782, 0.3178, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7683, 0.3219, 0.4508 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(95, 140, 80)` looks like.

```
.text, #text, p{  
    color:rgb(95, 140, 80)  
}
```

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(95, 140, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 140, 80) }
```

Border

The CSS property to change the border of an element to Yxy 21.7683, 0.3219, 0.4508 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(95, 140, 80) }
```

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

```
.border{ border-color:rgb(95, 140, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 140, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 140, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 140, 80);  
box-shadow:4px 4px 4px 4px rgb(95, 140,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7683, 0.3219, 0.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 140, 80) }
```

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

```
.background{ background-color: rgb(95, 140,  
80) }
```

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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