

Converting Colors

$Y_{xy}(21.1505, 0.3207, 0.4920)$

Have a look what the booklet for
Yxy(21.1505, 0.3207, 0.4920)
contains.

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Color

Yxy(21.1580, 0.3211, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	518D3F
RGB	81, 141, 63
RGB Percent	32%, 55%, 25%
CMY	0.6822, 0.4471, 0.7530
CMYK	0.43, 0.00, 0.55, 0.45
HSL	106°, 38%, 40%
HSV	106°, 55%, 55%
XYZ	13.8170, 21.1580, 8.0553
YIQ	114.1680, -10.7220, -36.9780

Conversions

Conversions Part 2

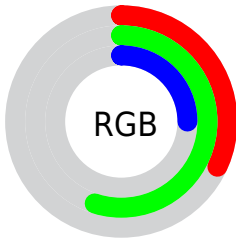
Format	Color
RYB	63, 141, 123
Decimal	5344575
CIELab	53.12, -35.04, 35.22
CIElCh	53, 49.676, 134.853
Yxy	21.1580, 0.3211, 0.4917
Android (android.graphics.Color)	4283534655 (0xFF518D3F)
YUV	114.1680, -25.2258, -29.0883
Hunter-Lab	45.9978, -26.8776, 21.8154

Details

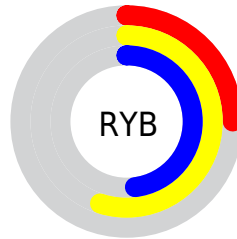
The Yxy color **21.1580, 0.3211, 0.4917** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.6831, 0.2907, 0.1909**, and the grayscale version is **16.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2908, 0.3224, 0.4516**, and **7.5770, 0.3120, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **20.5796, 0.3202, 0.5224**, and if you desaturate by 10%, it is **21.8551, 0.3209, 0.4594**.

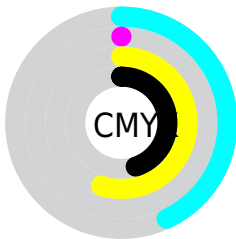
Distribution



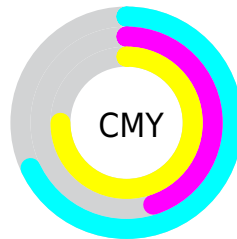
- Red (32%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (48%)



- Cyan (43%)
- Magenta (0%)
- Yellow (55%)
- Black (45%)





- Cyan (68%)
- Magenta (45%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1580, 0.3211, 0.4917 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 21.1580, 0.3211, 0.4917 by changing the saturation by 10% instead.


 21.1580, 0.3211,
0.4917


 21.1580, 0.3211,
0.4917


258.1170, 0.3206,
0.3948


 13.2395, 0.3184,
0.5221


 45.3503, 0.3225,
0.4521

 7.5937, 0.3122,
0.5651


 62.3930, 0.3225,
0.4386

 3.8361, 0.3035,
0.6421

 83.2459, 0.3223,
0.4277

 1.5823, 0.2493,
0.7507

 108.2933, 0.3220,
0.4187

 0.3456, 0.0000,
1.0000

 137.9198, 0.3216,
0.4113

 0.0000, 0.0000,
0.0000

 172.5096, 0.3213,

0.4049

212.4472, 0.3209,
0.3995

■ 21.1580, 0.3211,
0.4917

■ 21.1580, 0.3211,
0.4917

■ 20.5796, 0.3202,
0.5224

■ 21.8551, 0.3209,
0.4594

■ 20.1103, 0.3183,
0.5494

■ 22.6742, 0.3199,
0.4272

■ 19.7435, 0.3153,
0.5710

■ 23.6222, 0.3183,
0.3964

■ 19.4699, 0.3115,
0.5861

■ 24.7042, 0.3163,
0.3678

■ 19.3666, 0.3100,
0.5921

■ 25.9254, 0.3140,
0.3418

■ 27.2906, 0.3116,
0.3185

■ 28.8044, 0.3091,
0.2978

■ 30.4710, 0.3068,
0.2796

■ 32.2946, 0.3045,
0.2636

Harmonies

Analogous

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



21.1580, 0.4036, 0.4841



21.1580, 0.3211, 0.4917



21.1580, 0.2408, 0.4288

Triad

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



21.1580, 0.3211, 0.4917



21.1580, 0.1720, 0.2069



21.1580, 0.4559, 0.3064

Complementary

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



21.1580, 0.3211, 0.4917



9.6831, 0.2907, 0.1909

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.



21.1580, 0.3744, 0.2518



21.1580, 0.3211, 0.4917



21.1580, 0.2120, 0.1967

Square

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



21.1580, 0.3211, 0.4917



21.1580, 0.1625, 0.2493



21.1580, 0.2826, 0.2130



21.1580, 0.4900, 0.3687

Rectangle

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



21.1580, 0.3211, 0.4917



21.1580, 0.1997, 0.3624



21.1580, 0.2826, 0.2130



21.1580, 0.4325, 0.2870

Sweetspot

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



21.1589, 0.3211, 0.4917



43.8282, 0.3167, 0.3734



20.1364, 0.4059, 0.4315



9.7131, 0.3171, 0.3782



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.



21.1589, 0.3211, 0.4917



36.6643, 0.3199, 0.5284



20.7424, 0.2890, 0.4553



6.0859, 0.3149, 0.3515



17.6653, 0.3102, 0.5919



0.1775, 0.3378, 0.5700

Inverse Universe

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



9.6831, 0.2907, 0.1909



13.9599, 0.2838, 0.1652



10.5764, 0.3532, 0.2311



5.4490, 0.3103, 0.3071



4.6894, 0.2644, 0.1230



0.0547, 0.2929, 0.1387

Previews

White Background



This preview shows how the Yxy color 21.1580, 0.3211, 0.4917 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 21.1580, 0.3211, 0.4917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

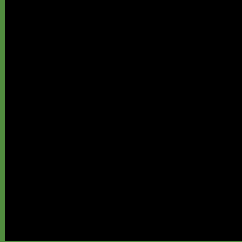
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1580, 0.3211, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 21.1580, 0.3211, 0.4917.



This preview shows how white text looks on a background with the Yxy color 21.1580, 0.3211, 0.4917.

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

21.1580, 0.3211, 0.4917

Protanopia

20.8026, 0.4063, 0.4440

Deuteranopia

20.7326, 0.4192, 0.4116



Tritanopia

21.1911, 0.2642, 0.3099

Trichromacy



Original Color

21.1580, 0.3211, 0.4917

Protanomaly

20.4808, 0.3727, 0.4615

Deuteranomaly

20.3556, 0.3788, 0.4410

Tritanomaly

20.9969, 0.2858, 0.3737

Monochromacy



Original Color

21.1580, 0.3211, 0.4917

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.0663, 0.3183, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1580, 0.3211, 0.4917 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(81, 141, 63)` looks like.

```
.text, #text, p{  
    color:rgb(81, 141, 63)  
}
```

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(81, 141, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 141, 63) }
```

Border

The CSS property to change the border of an element to Yxy 21.1580, 0.3211, 0.4917 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(81, 141, 63) }
```

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

```
.border{ border-color:rgb(81, 141, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 141, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 141, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 141, 63);  
box-shadow:4px 4px 4px 4px rgb(81, 141,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1580, 0.3211, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 141, 63) }
```

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

```
.background{ background-color: rgb(81, 141,  
63) }
```

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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