

Converting Colors

$Y_{xy}(24.0805, 0.3317, 0.5012)$

Have a look what the booklet for
Yxy(24.0805, 0.3317, 0.5012)
contains.

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Color

Yxy(24.0964, 0.3318, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	5C953C
RGB	92, 149, 60
RGB Percent	36%, 58%, 24%
CMY	0.6391, 0.4157, 0.7648
CMYK	0.38, 0.00, 0.60, 0.42
HSL	98°, 43%, 41%
HSV	98°, 60%, 58%
XYZ	15.9776, 24.0964, 8.0803
YIQ	121.8110, -5.4030, -39.7630

Conversions

Conversions Part 2

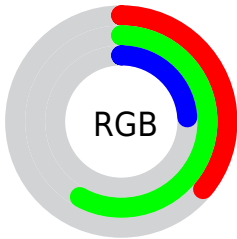
Format	Color
RYB	60, 149, 117
Decimal	6067516
CIELab	56.18, -35.19, 40.41
CIElCh	56, 53.584, 131.051
Yxy	24.0964, 0.3318, 0.5004
Android (android.graphics.Color)	4284257596 (0xFF5C953C)
YUV	121.8110, -30.4728, -26.1442
Hunter-Lab	49.0881, -27.8045, 24.6021

Details

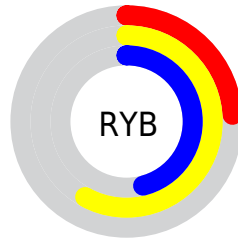
The Yxy color **24.0964, 0.3318, 0.5004** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.1781, 0.2711, 0.1732**, and the grayscale version is **19.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4225, 0.3319, 0.4615**, and **9.1798, 0.3256, 0.5707** is the 20% darker color. If you saturate the color by 10%, you get **23.5007, 0.3314, 0.5282**, and if you desaturate by 10%, it is **24.8004, 0.3307, 0.4702**.

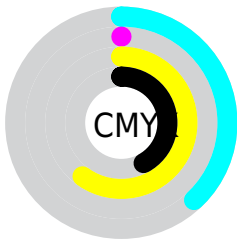
Distribution



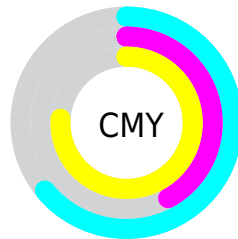
- Red (36%)
- Green (58%)
- Blue (24%)



- Red (24%)
- Yellow (58%)
- Blue (46%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (42%)




- Cyan (64%)
- Magenta (42%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0964, 0.3318, 0.5004 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 24.0964, 0.3318, 0.5004 by changing the saturation by 10% instead.


 24.0964, 0.3318,
0.5004


 24.0964, 0.3318,
0.5004


273.3075, 0.3262,
0.4007


 15.4051, 0.3303,
0.5301


 50.1875, 0.3314,
0.4606


 9.1042, 0.3255,
0.5706


 68.3561, 0.3307,
0.4467


 4.8092, 0.3181,
0.6380

 90.4526, 0.3299,
0.4354

 2.1358, 0.2832,
0.7168

 116.8614, 0.3291,
0.4260

 0.6846, 0.0000,
1.0000

 147.9669, 0.3283,
0.4182

 0.0000, 0.0000,
0.0000

 184.1535, 0.3275,

0.4115

225.8055, 0.3268,
0.4057

■ 24.0964, 0.3318,
0.5004

■ 24.0964, 0.3318,
0.5004

■ 23.5007, 0.3314,
0.5282

■ 24.8004, 0.3307,
0.4702

■ 23.0041, 0.3293,
0.5518

■ 25.6151, 0.3284,
0.4392

■ 22.6007, 0.3256,
0.5699

■ 26.5467, 0.3251,
0.4087

■ 22.2767, 0.3210,
0.5831

■ 27.6000, 0.3212,
0.3798

■ 22.2692, 0.3209,
0.5834

■ 28.7795, 0.3170,
0.3529

■ 30.0894, 0.3126,
0.3284

■ 31.5337, 0.3082,
0.3064

■ 33.1164, 0.3040,
0.2867

■ 34.8411, 0.2999,
0.2692

Harmonies

Analogous

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



24.0964, 0.4154, 0.4833



24.0964, 0.3318, 0.5004



24.0964, 0.2477, 0.4443

Triad

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



24.0964, 0.3318, 0.5004



24.0964, 0.1654, 0.2069



24.0964, 0.4520, 0.2977

Complementary

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



24.0964, 0.3318, 0.5004



9.1781, 0.2711, 0.1732

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.



24.0964, 0.3639, 0.2435



24.0964, 0.3318, 0.5004



24.0964, 0.2022, 0.1930

Square

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



24.0964, 0.3318, 0.5004



24.0964, 0.1596, 0.2548



24.0964, 0.2707, 0.2065



24.0964, 0.4944, 0.3607

Rectangle

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



24.0964, 0.3318, 0.5004



24.0964, 0.2032, 0.3768



24.0964, 0.2707, 0.2065



24.0964, 0.4259, 0.2782

Sweetspot

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



24.0974, 0.3318, 0.5004



49.7059, 0.3206, 0.3759



19.2892, 0.4261, 0.4216



10.8976, 0.3217, 0.3834



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.0974, 0.3318, 0.5004



41.7358, 0.3308, 0.5375



22.9209, 0.2962, 0.4929



6.5640, 0.3167, 0.3515



18.7581, 0.3214, 0.5830



0.2451, 0.3554, 0.5560

Inverse Universe

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



9.1781, 0.2711, 0.1732



12.4401, 0.2582, 0.1429



11.4288, 0.3375, 0.2081



5.8059, 0.3083, 0.3068



3.9076, 0.2341, 0.1064



0.0645, 0.2751, 0.1289

Previews

White Background



This preview shows how the Yxy color 24.0964, 0.3318, 0.5004 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 24.0964, 0.3318, 0.5004 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 24.0964, 0.3318, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 24.0964, 0.3318, 0.5004.



This preview shows how white text looks on a background with the Yxy color 24.0964, 0.3318, 0.5004.

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

24.0964, 0.3318, 0.5004

Protanopia

23.7253, 0.4118, 0.4516

Deuteranopia

23.8310, 0.4285, 0.4216



Tritanopia

24.1163, 0.2697, 0.3093

Trichromacy



Original Color

24.0964, 0.3318, 0.5004

Protanomaly

23.3498, 0.3805, 0.4707

Deuteranomaly

23.3818, 0.3895, 0.4506

Tritanomaly

23.7777, 0.2943, 0.3768

Monochromacy



Original Color

24.0964, 0.3318, 0.5004

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.7829, 0.3233, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0964, 0.3318, 0.5004 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(92, 149, 60)` looks like.

```
.text, #text, p{  
    color:rgb(92, 149, 60)  
}
```

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(92, 149, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 149, 60) }
```

Border

The CSS property to change the border of an element to Yxy 24.0964, 0.3318, 0.5004 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(92, 149, 60) }
```

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

```
.border{ border-color:rgb(92, 149, 60) }
```

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

Here you see how a box with a 4 pixel rgb(92, 149, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 149, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 149, 60);  
box-shadow:4px 4px 4px 4px rgb(92, 149,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0964, 0.3318, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 149, 60) }
```

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

```
.background{ background-color: rgb(92, 149,  
60) }
```

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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