

Converting Colors

$Y_{xy}(22.8513, 0.3334, 0.5487)$

Have a look what the booklet for
Yxy(22.8513, 0.3334, 0.5487)
contains.

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Color

Yxy(22.8513, 0.3334, 0.5487)

Conversions

Conversions Part 1

Format	Color
Hex	4D941E
RGB	77, 148, 30
RGB Percent	30%, 58%, 12%
CMY	0.6981, 0.4196, 0.8822
CMYK	0.48, 0.00, 0.80, 0.42
HSL	96°, 66%, 35%
HSV	96°, 80%, 58%
XYZ	13.8849, 22.8513, 4.9101
YIQ	113.3190, -4.4380, -51.7500

Conversions

Conversions Part 2

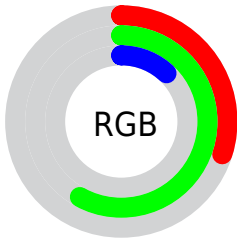
Format	Color
R_{YB}	30, 148, 101
Decimal	5084190
CIE _{Lab}	54.92, -42.35, 51.09
CIE _{LCh}	55, 66.359, 129.660
Yxy	22.8513, 0.3334, 0.5487
Android (android.graphics.Color)	4283274270 (0xFF4D941E)
YUV	113.3190, -41.0763, -31.8518
Hunter-Lab	47.8030, -31.8082, 27.3721

Details

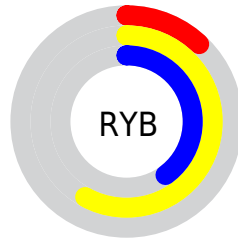
The Yxy color **22.8513, 0.3334, 0.5487** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.8392, 0.2454, 0.1281**, and the grayscale version is **16.7404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2575, 0.3357, 0.4989**, and **8.4439, 0.3057, 0.5955** is the 20% darker color. If you saturate the color by 10%, you get **22.4479, 0.3298, 0.5666**, and if you desaturate by 10%, it is **23.3429, 0.3352, 0.5255**.

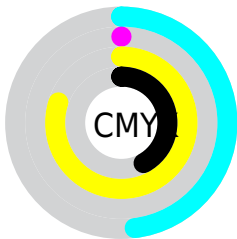
Distribution



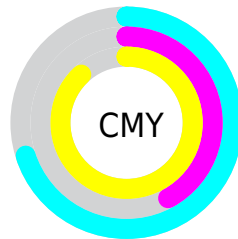
- Red (30%)
- Green (58%)
- Blue (12%)



- Red (12%)
- Yellow (58%)
- Blue (40%)



- Cyan (48%)
- Magenta (0%)
- Yellow (80%)
- Black (42%)





- Cyan (70%)
- Magenta (42%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8513, 0.3334, 0.5487 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 22.8513, 0.3334, 0.5487 by changing the saturation by 10% instead.


 22.8513, 0.3334,
0.5487


 22.8513, 0.3334,
0.5487


266.9603, 0.3308,
0.4205


 14.4837, 0.3283,
0.5854


 48.1490, 0.3359,
0.4980


 8.4579, 0.3172,
0.6349


 65.8480, 0.3356,
0.4801

 4.3893, 0.2943,
0.7057

 87.4263, 0.3350,
0.4655

 1.8936, 0.2206,
0.7794

 113.2682, 0.3342,
0.4534

 0.5445, 0.0000,
1.0000

 143.7582, 0.3333,
0.4432

 0.0000, 0.0000,
0.0000

 179.2806, 0.3325,

0.4345

220.2198, 0.3316,
0.4270

■ 22.8513, 0.3334,
0.5487

■ 22.8513, 0.3334,
0.5487

■ 22.4479, 0.3298,
0.5666

■ 23.3429, 0.3352,
0.5255

■ 22.1169, 0.3252,
0.5797

■ 23.9262, 0.3352,
0.4983

■ 22.1077, 0.3251,
0.5801

■ 24.6078, 0.3336,
0.4686

■ 25.3927, 0.3307,
0.4381

■ 26.2855, 0.3268,
0.4081

■ 27.2908, 0.3224,
0.3794

■ 28.4125, 0.3175,
0.3527

■ 29.6545, 0.3126,
0.3283

■ 31.0206, 0.3076,
0.3062

Harmonies

Analogous

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



22.8513, 0.4339, 0.5103



22.8513, 0.3334, 0.5487



22.8513, 0.2329, 0.4850

Triad

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



22.8513, 0.3334, 0.5487



22.8513, 0.1368, 0.1821



22.8513, 0.4834, 0.2842

Complementary

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



22.8513, 0.3334, 0.5487



5.8392, 0.2454, 0.1281

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.



22.8513, 0.3694, 0.2229



22.8513, 0.3334, 0.5487



22.8513, 0.1765, 0.1668

Square

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



22.8513, 0.3334, 0.5487



22.8513, 0.1305, 0.2377



22.8513, 0.2548, 0.1816



22.8513, 0.5368, 0.3552

Rectangle

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



22.8513, 0.3334, 0.5487



22.8513, 0.1800, 0.3946



22.8513, 0.2548, 0.1816



22.8513, 0.4494, 0.2623

Sweetspot

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



22.8523, 0.3334, 0.5487



47.2778, 0.3246, 0.3929



15.6628, 0.4732, 0.4339



10.6628, 0.3260, 0.4023



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.



22.8523, 0.3334, 0.5487



39.1246, 0.3258, 0.5768



21.6236, 0.2967, 0.5558



6.5743, 0.3173, 0.3515



18.8977, 0.3255, 0.5797



0.2476, 0.3602, 0.5522

Inverse Universe

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



5.8392, 0.2454, 0.1281



7.8027, 0.2272, 0.1042



9.0106, 0.3403, 0.1789



5.7952, 0.3078, 0.3068



3.6606, 0.2257, 0.1017



0.0620, 0.2695, 0.1258

Previews

White Background



This preview shows how the Yxy color 22.8513, 0.3334, 0.5487 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 22.8513, 0.3334, 0.5487 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 22.8513, 0.3334, 0.5487

Background



This preview shows how black text looks on a background with the Yxy color 22.8513, 0.3334, 0.5487.



This preview shows how white text looks on a background with the Yxy color 22.8513, 0.3334, 0.5487.

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

22.8513, 0.3334, 0.5487

Protanopia

22.5102, 0.4318, 0.4780

Deuteranopia

22.4750, 0.4521, 0.4430



Tritanopia

22.8337, 0.2613, 0.3086

Trichromacy



Original Color

22.8513, 0.3334, 0.5487

Protanomaly

22.1080, 0.3931, 0.5062

Deuteranomaly

21.8205, 0.4042, 0.4832

Tritanomaly

22.5105, 0.2926, 0.4018

Monochromacy



Original Color

22.8513, 0.3334, 0.5487

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.2556, 0.3283, 0.4198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8513, 0.3334, 0.5487 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(77, 148, 30)` looks like.

```
.text, #text, p{  
    color:rgb(77, 148, 30)  
}
```

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(77, 148, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 148, 30) }
```

Border

The CSS property to change the border of an element to Yxy 22.8513, 0.3334, 0.5487 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(77, 148, 30) }
```

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

```
.border{ border-color:rgb(77, 148, 30) }
```

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

Here you see how a box with a 4 pixel rgb(77, 148, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 148, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 148, 30);  
box-shadow:4px 4px 4px 4px rgb(77, 148,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8513, 0.3334, 0.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 148, 30) }
```

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

```
.background{ background-color: rgb(77, 148,  
30) }
```

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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