

Converting Colors

$Y_{xy}(23.3928, 0.2812, 0.5124)$

Have a look what the booklet for
Yxy(23.3928, 0.2812, 0.5124)
contains.

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Color

Yxy(23.4188, 0.2812, 0.5118)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 199945 |
| RGB | 25, 153, 69 |
| RGB Percent | 10%, 60%, 27% |
| CMY | 0.9018, 0.4000, 0.7294 |
| CMYK | 0.84, 0.00, 0.55, 0.40 |
| HSL | 141°, 72%, 35% |
| HSV | 141°, 84%, 60% |
| XYZ | 12.8671, 23.4188, 9.4718 |
| YIQ | 105.1520, -49.3240, -53.2600 |

Conversions

Conversions Part 2

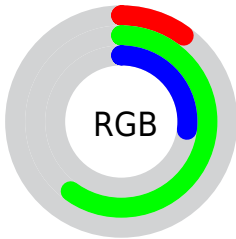
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 25, 120, 153 |
| Decimal | 1677637 |
| CIE Lab | 55.50, -51.46, 34.66 |
| CIE LCh | 56, 62.044, 146.039 |
| Yxy | 23.4188, 0.2812, 0.5118 |
| Android (android.graphics.Color) | 4279867717 (0xFF199945) |
| YUV | 105.1520, -17.8229, -70.2933 |
| Hunter-Lab | 48.3930, -37.2268, 22.2704 |

Details

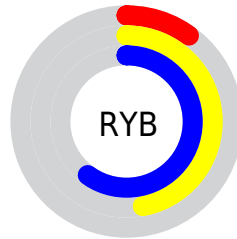
The Yxy color **23.4188, 0.2812, 0.5118** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.5749, 0.4052, 0.2138**, and the grayscale version is **14.2334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8233, 0.2916, 0.4668**, and **9.1648, 0.2921, 0.5717** is the 20% darker color. If you saturate the color by 10%, you get **23.1610, 0.2833, 0.5335**, and if you desaturate by 10%, it is **23.8061, 0.2807, 0.4881**.

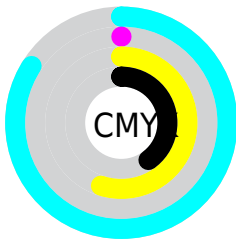
Distribution



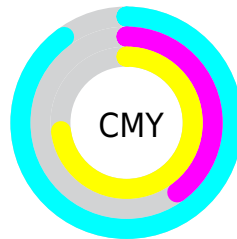
- Red (10%)
- Green (60%)
- Blue (27%)



- Red (10%)
- Yellow (47%)
- Blue (60%)



- Cyan (84%)
- Magenta (0%)
- Yellow (55%)
- Black (40%)




- Cyan (90%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4188, 0.2812, 0.5118 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 23.4188, 0.2812, 0.5118 by changing the saturation by 10% instead.


 23.4188, 0.2812,
0.5118


 23.4188, 0.2812,
0.5118


269.8688, 0.3037,
0.4023


 14.9031, 0.2719,
0.5466


 49.0801, 0.2917,
0.4668


 8.7514, 0.2568,
0.5961


 66.9944, 0.2949,
0.4516


 4.5794, 0.2312,
0.6731

 88.8104, 0.2973,
0.4393

 2.0026, 0.1577,
0.8423

 114.9124, 0.2991,
0.4292

 0.6090, 0.0000,
1.0000

 145.6849, 0.3006,
0.4208

 0.0000, 0.0000,
0.0000

 181.5121, 0.3018,

0.4137

222.7787, 0.3029,
0.4076

■ 23.4188, 0.2812,
0.5118

■ 23.4188, 0.2812,
0.5118

■ 23.1610, 0.2833,
0.5335

■ 23.8061, 0.2807,
0.4881

■ 23.0358, 0.2850,
0.5460

■ 24.3362, 0.2819,
0.4633

■ 25.0238, 0.2846,
0.4384

■ 25.8810, 0.2885,
0.4143

■ 26.9185, 0.2933,
0.3916

■ 28.1463, 0.2988,
0.3707

■ 29.5735, 0.3046,
0.3517

■ 31.2087, 0.3105,
0.3347

■ 33.0600, 0.3165,
0.3196

Harmonies

Analogous

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



23.4188, 0.3792, 0.5266



23.4188, 0.2812, 0.5118



23.4188, 0.1969, 0.4058

Triad

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



23.4188, 0.2812, 0.5118



23.4188, 0.1627, 0.1785



23.4188, 0.5082, 0.3247

Complementary

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



23.4188, 0.2812, 0.5118



8.5749, 0.4052, 0.2138

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.



23.4188, 0.4272, 0.2596



23.4188, 0.2812, 0.5118



23.4188, 0.2204, 0.1799

Square

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



23.4188, 0.2812, 0.5118



23.4188, 0.1394, 0.2099



23.4188, 0.3147, 0.2083



23.4188, 0.5185, 0.3962

Rectangle

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



23.4188, 0.2812, 0.5118



23.4188, 0.1604, 0.3218



23.4188, 0.3147, 0.2083



23.4188, 0.4881, 0.3021

Sweetspot

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



23.4198, 0.2812, 0.5118



49.9694, 0.2977, 0.3744



26.1907, 0.3663, 0.5317



10.8742, 0.2960, 0.3811



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.4198, 0.2812, 0.5118



41.2221, 0.2860, 0.5495



24.6472, 0.2407, 0.3722



6.9589, 0.3072, 0.3440



19.0442, 0.2846, 0.5447



0.2911, 0.2619, 0.4627

Inverse Universe

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



8.5749, 0.4052, 0.2138



13.7557, 0.4320, 0.2154



7.6699, 0.5589, 0.3065



6.2876, 0.3187, 0.3145



6.3712, 0.4284, 0.2134



0.1020, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 23.4188, 0.2812, 0.5118 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 23.4188, 0.2812, 0.5118 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 23.4188, 0.2812, 0.5118

Background



This preview shows how black text looks on a background with the Yxy color 23.4188, 0.2812, 0.5118.



This preview shows how white text looks on a background with the Yxy color 23.4188, 0.2812, 0.5118.

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

23.4188, 0.2812, 0.5118

Protanopia

22.9613, 0.4048, 0.4431

Deuteranopia

23.0206, 0.4151, 0.4072



Tritanopia

23.4368, 0.2363, 0.3062

Trichromacy



Original Color

23.4188, 0.2812, 0.5118



Protanomaly

21.9626, 0.3424, 0.4756



Deuteranomaly

21.5341, 0.3491, 0.4505



Tritanomaly

23.0008, 0.2519, 0.3765

Monochromacy



Original Color

23.4188, 0.2812, 0.5118



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.2283, 0.2915, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4188, 0.2812, 0.5118 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(25, 153, 69)` looks like.

```
.text, #text, p{  
    color:rgb(25, 153, 69)  
}
```

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(25, 153, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 153, 69) }
```

Border

The CSS property to change the border of an element to Yxy 23.4188, 0.2812, 0.5118 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(25, 153, 69) }
```

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

```
.border{ border-color:rgb(25, 153, 69) }
```

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

Here you see how a box with a 4 pixel rgb(25, 153, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 153, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 153, 69);  
box-shadow:4px 4px 4px 4px rgb(25, 153,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4188, 0.2812, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 153, 69) }
```

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

```
.background{ background-color: rgb(25, 153,  
69) }
```

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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