

Converting Colors

$Y_{xy}(23.1165, 0.2954, 0.5400)$

Have a look what the booklet for
Yxy(23.1165, 0.2954, 0.5400)
contains.

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Color

Yxy(23.1165, 0.2954, 0.5400)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 269834 |
| RGB | 38, 152, 52 |
| RGB Percent | 15%, 60%, 20% |
| CMY | 0.8513, 0.4039, 0.7960 |
| CMYK | 0.75, 0.00, 0.66, 0.40 |
| HSL | 127°, 60%, 37% |
| HSV | 127°, 75%, 60% |
| XYZ | 12.6456, 23.1165, 7.0463 |
| YIQ | 106.5140, -35.8440, -55.2680 |

Conversions

Conversions Part 2

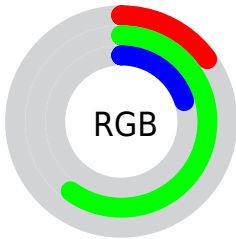
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 38, 140, 152 |
| Decimal | 2529332 |
| CIE _{Lab} | 55.19, -51.61, 42.45 |
| CIE _{LCh} | 55, 66.824, 140.563 |
| Yxy | 23.1165, 0.2954, 0.5400 |
| Android (android.graphics.Color) | 4280719412 (0xFF269834) |
| YUV | 106.5140, -26.8754, -60.0868 |
| Hunter-Lab | 48.0796, -37.1915, 24.9666 |

Details

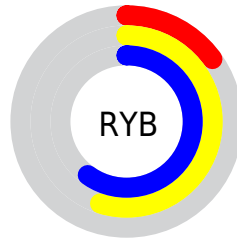
The Yxy color **23.1165, 0.2954, 0.5400** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.8897, 0.3434, 0.1864**, and the grayscale version is **14.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4297, 0.3047, 0.4879**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.7821, 0.2956, 0.5642**, and if you desaturate by 10%, it is **23.6046, 0.2961, 0.5113**.

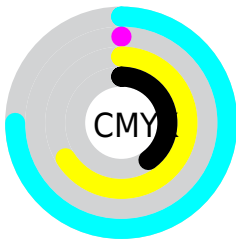
Distribution



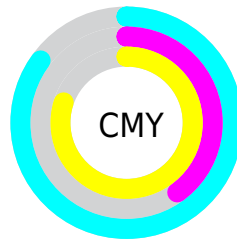
- Red (15%)
- Green (60%)
- Blue (20%)



- Red (15%)
- Yellow (55%)
- Blue (60%)



- Cyan (75%)
- Magenta (0%)
- Yellow (66%)
- Black (40%)





- Cyan (85%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1165, 0.2954, 0.5400 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 23.1165, 0.2954, 0.5400 by changing the saturation by 10% instead.


 23.1165, 0.2954,
0.5400


 23.1165, 0.2954,
0.5400


268.3228, 0.3121,
0.4139


 14.6796, 0.2864,
0.5790


 48.5845, 0.3044,
0.4886


 8.5948, 0.2705,
0.6331


 66.3844, 0.3068,
0.4710


 4.4778, 0.2504,
0.7382

 88.0741, 0.3085,
0.4568

 1.9443, 0.1483,
0.8517

 114.0379, 0.3097,
0.4451

 0.5748, 0.0000,
1.0000

 144.6603, 0.3105,
0.4354

 0.0000, 0.0000,
0.0000

 180.3257, 0.3112,

0.4271

221.4184, 0.3117,
0.4200

■ 23.1165, 0.2954,
0.5400

■ 23.1165, 0.2954,
0.5400

■ 22.7821, 0.2956,
0.5642

■ 23.6046, 0.2961,
0.5113

■ 22.5791, 0.2967,
0.5823

■ 24.2590, 0.2976,
0.4802

■ 22.5050, 0.2970,
0.5891

■ 25.0942, 0.2998,
0.4485

■ 26.1222, 0.3024,
0.4178

■ 27.3543, 0.3053,
0.3891

■ 28.8005, 0.3083,
0.3630

■ 30.4704, 0.3113,
0.3397

■ 32.3731, 0.3141,
0.3192

■ 34.5169, 0.3168,
0.3013

Harmonies

Analogous

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



23.1165, 0.3989, 0.5328



23.1165, 0.2954, 0.5400



23.1165, 0.2016, 0.4381

Triad

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



23.1165, 0.2954, 0.5400



23.1165, 0.1468, 0.1722



23.1165, 0.5127, 0.3092

Complementary

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



23.1165, 0.2954, 0.5400



9.8897, 0.3434, 0.1864

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.



23.1165, 0.4145, 0.2432



23.1165, 0.2954, 0.5400



23.1165, 0.1999, 0.1686

Square

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



23.1165, 0.2954, 0.5400



23.1165, 0.1286, 0.2115



23.1165, 0.2931, 0.1934



23.1165, 0.5364, 0.3826

Rectangle

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



23.1165, 0.2954, 0.5400



23.1165, 0.1586, 0.3437



23.1165, 0.2931, 0.1934



23.1165, 0.4866, 0.2861

Sweetspot

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



23.1175, 0.2954, 0.5400



48.6619, 0.3058, 0.3847



28.0611, 0.3938, 0.4983



10.8803, 0.3048, 0.3939



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.



23.1175, 0.2954, 0.5400



39.9463, 0.2963, 0.5770



23.9579, 0.2596, 0.4217



6.9374, 0.3100, 0.3491



18.8708, 0.2968, 0.5884



0.2850, 0.2836, 0.5410

Inverse Universe

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



9.8897, 0.3434, 0.1864



15.3463, 0.3508, 0.1748



8.6613, 0.4648, 0.2657



6.3105, 0.3155, 0.3097



7.0252, 0.3540, 0.1724



0.1082, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 23.1165, 0.2954, 0.5400 looks on a white background.

Color Contrast Check

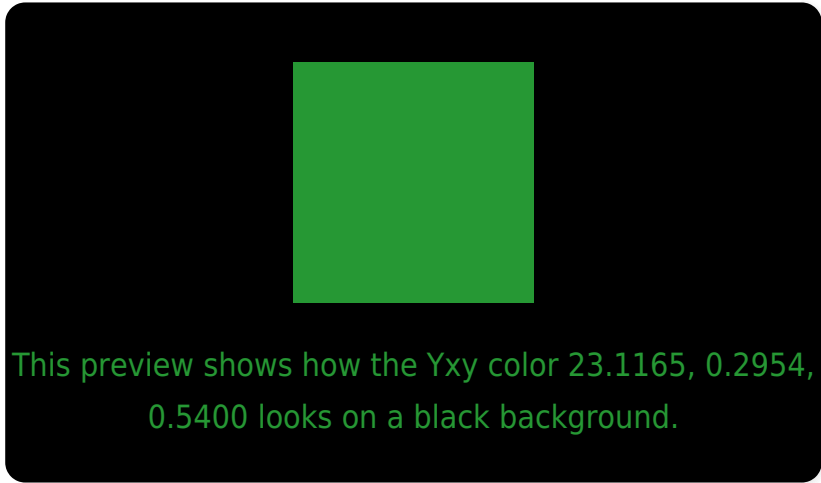
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.1165, 0.2954, 0.5400

Background



This preview shows how black text looks on a background with the Yxy color 23.1165, 0.2954, 0.5400.



This preview shows how white text looks on a background with the Yxy color 23.1165, 0.2954, 0.5400.

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

23.1165, 0.2954, 0.5400

Protanopia

22.6329, 0.4201, 0.4606

Deuteranopia

22.6855, 0.4326, 0.4253



Tritanopia

22.9812, 0.2402, 0.3061

Trichromacy



Original Color

23.1165, 0.2954, 0.5400



Protanomaly

21.8044, 0.3614, 0.4978



Deuteranomaly

21.4153, 0.3690, 0.4714



Tritanomaly

22.7417, 0.2609, 0.3895

Monochromacy



Original Color

23.1165, 0.2954, 0.5400



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.5871, 0.3031, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1165, 0.2954, 0.5400 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(38, 152, 52)` looks like.

```
.text, #text, p{  
    color:rgb(38, 152, 52)  
}
```

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(38, 152, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 152, 52) }
```

Border

The CSS property to change the border of an element to Yxy 23.1165, 0.2954, 0.5400 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(38, 152, 52) }
```

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

```
.border{ border-color:rgb(38, 152, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 152, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 152, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 152, 52);  
box-shadow:4px 4px 4px 4px rgb(38, 152,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1165, 0.2954, 0.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 152, 52) }
```

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

```
.background{ background-color: rgb(38, 152,  
52) }
```

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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