

Converting Colors

$Y_{xy}(29.1948, 0.3102, 0.5657)$

Have a look what the booklet for
Yxy(29.1948, 0.3102, 0.5657)
contains.

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Color

Yxy(29.3095, 0.3103, 0.5661)

Conversions

Conversions Part 1

Format	Color
Hex	37A923
RGB	55, 169, 35
RGB Percent	22%, 66%, 14%
CMY	0.7844, 0.3372, 0.8628
CMYK	0.67, 0.00, 0.79, 0.34
HSL	111°, 66%, 40%
HSV	111°, 79%, 66%
XYZ	16.0656, 29.3095, 6.3993
YIQ	119.6380, -24.9300, -65.8420

Conversions

Conversions Part 2

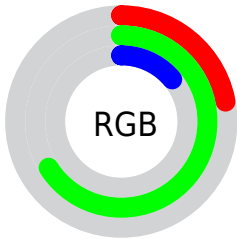
Format	Color
R_{YB}	35, 169, 149
Decimal	3647779
CIE _{Lab}	61.05, -55.67, 55.09
CIE _{LCh}	61, 78.325, 135.301
Yxy	29.3095, 0.3103, 0.5661
Android (android.graphics.Color)	4281837859 (0xFF37A923)
YUV	119.6380, -41.7265, -56.6875
Hunter-Lab	54.1382, -41.7718, 30.8885

Details

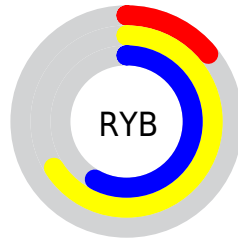
The Yxy color **29.3095, 0.3103, 0.5661** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.4577, 0.2917, 0.1513**, and the grayscale version is **18.8003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3877, 0.3177, 0.5131**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.8850, 0.3074, 0.5843**, and if you desaturate by 10%, it is **29.9031, 0.3127, 0.5409**.

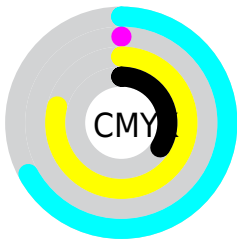
Distribution



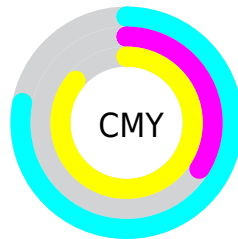
- Red (22%)
- Green (66%)
- Blue (14%)



- Red (14%)
- Yellow (66%)
- Blue (58%)



- Cyan (67%)
- Magenta (0%)
- Yellow (79%)
- Black (34%)





- Cyan (78%)
- Magenta (34%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3095, 0.3103, 0.5661 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 29.3095, 0.3103, 0.5661 by changing the saturation by 10% instead.


 29.3095, 0.3103,
0.5661


 29.3095, 0.3103,
0.5661


298.6725, 0.3215,
0.4306

 19.3151, 0.3020,
0.6037


 58.5685, 0.3179,
0.5134

 11.8982, 0.2871,
0.6524


 78.6018, 0.3196,
0.4945


 6.6744, 0.2663,
0.7337


 102.7502, 0.3206,
0.4790

 3.2593, 0.2081,
0.7919

 131.3981, 0.3211,
0.4661

 1.2686, 0.0000,
1.0000

 164.9299, 0.3214,
0.4551

 0.1167, 0.0000,
1.0000

 203.7300, 0.3215,

 0.0000, 0.0000,

0.4457

0.0000

248.1827, 0.3215,
0.4376

■ 29.3095, 0.3103,
0.5661

■ 29.3095, 0.3103,
0.5661

■ 28.8850, 0.3074,
0.5843

■ 29.9031, 0.3127,
0.5409

■ 28.6030, 0.3046,
0.5957

■ 30.6776, 0.3144,
0.5105

■ 28.5872, 0.3045,
0.5964

■ 31.6479, 0.3153,
0.4774

■ 32.8263, 0.3156,
0.4435

■ 34.2241, 0.3154,
0.4107

■ 35.8518, 0.3147,
0.3800

■ 37.7192, 0.3138,
0.3522

■ 39.8354, 0.3126,
0.3274

■ 42.2092, 0.3114,
0.3055

Harmonies

Analogous

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



29.3095, 0.4189, 0.5344



29.3095, 0.3103, 0.5661



29.3095, 0.2075, 0.4747

Triad

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



29.3095, 0.3103, 0.5661



29.3095, 0.1315, 0.1665



29.3095, 0.5150, 0.2930

Complementary

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



29.3095, 0.3103, 0.5661



10.4577, 0.2917, 0.1513

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.



29.3095, 0.3988, 0.2265



29.3095, 0.3103, 0.5661



29.3095, 0.1796, 0.1577

Square

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



29.3095, 0.3103, 0.5661



29.3095, 0.1183, 0.2144



29.3095, 0.2704, 0.1787



29.3095, 0.5538, 0.3677

Rectangle

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



29.3095, 0.3103, 0.5661



29.3095, 0.1576, 0.3700



29.3095, 0.2704, 0.1787



29.3095, 0.4824, 0.2695

Sweetspot

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



29.3107, 0.3103, 0.5661



62.6556, 0.3151, 0.3954



30.0211, 0.4324, 0.4738



13.4450, 0.3153, 0.4061



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.3107, 0.3103, 0.5661



51.3367, 0.3052, 0.5928



29.3427, 0.2803, 0.5015



8.4594, 0.3138, 0.3522



21.3197, 0.3049, 0.5961



0.5342, 0.3221, 0.5825

Inverse Universe

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



10.4577, 0.2917, 0.1513



16.0897, 0.2850, 0.1359



11.0446, 0.4014, 0.2165



7.6091, 0.3115, 0.3066



6.5588, 0.2841, 0.1339



0.1744, 0.2971, 0.1410

Previews

White Background



This preview shows how the Yxy color 29.3095, 0.3103, 0.5661 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 29.3095, 0.3103, 0.5661 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 29.3095, 0.3103, 0.5661

Background



This preview shows how black text looks on a background with the Yxy color 29.3095, 0.3103, 0.5661.



This preview shows how white text looks on a background with the Yxy color 29.3095, 0.3103, 0.5661.

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

29.3095, 0.3103, 0.5661

Protanopia

28.9555, 0.4326, 0.4786

Deuteranopia

28.7543, 0.4511, 0.4425



Tritanopia

28.9947, 0.2448, 0.3067

Trichromacy



Original Color

29.3095, 0.3103, 0.5661



Protanomaly

27.9016, 0.3787, 0.5173



Deuteranomaly

27.2288, 0.3894, 0.4928



Tritanomaly

28.3661, 0.2727, 0.4051

Monochromacy



Original Color

29.3095, 0.3103, 0.5661



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3850, 0.3152, 0.4290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3095, 0.3103, 0.5661 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(55, 169, 35)` looks like.

```
.text, #text, p{  
    color:rgb(55, 169, 35)  
}
```

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(55, 169, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 169, 35) }
```

Border

The CSS property to change the border of an element to Yxy 29.3095, 0.3103, 0.5661 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(55, 169, 35) }
```

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

```
.border{ border-color:rgb(55, 169, 35) }
```

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

Here you see how a box with a 4 pixel rgb(55, 169, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 169, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 169, 35);  
box-shadow:4px 4px 4px 4px rgb(55, 169,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3095, 0.3103, 0.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 169, 35) }
```

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

```
.background{ background-color: rgb(55, 169,  
35) }
```

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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