

Converting Colors

$Y_{xy}(14.6773, 0.3074, 0.5651)$

Have a look what the booklet for
Yxy(14.6773, 0.3074, 0.5651)
contains.

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Color

Yxy(14.5934, 0.3075, 0.5643)

Conversions

Conversions Part 1

Format	Color
Hex	237B19
RGB	35, 123, 25
RGB Percent	14%, 48%, 10%
CMY	0.8626, 0.5176, 0.9021
CMYK	0.72, 0.00, 0.80, 0.52
HSL	114°, 66%, 29%
HSV	114°, 80%, 48%
XYZ	7.9523, 14.5934, 3.3154
YIQ	85.5160, -20.9900, -49.1340

Conversions

Conversions Part 2

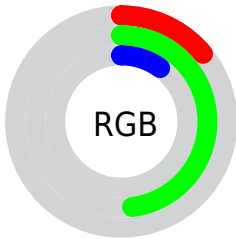
Format	Color
R_{YB}	25, 123, 113
Decimal	2325273
CIE Lab	45.07, -44.56, 42.84
CIE LCh	45, 61.813, 136.122
Yxy	14.5934, 0.3075, 0.5643
Android (android.graphics.Color)	4280515353 (0xFF237B19)
YUV	85.5160, -29.8344, -44.3025
Hunter-Lab	38.2013, -29.6944, 21.5953

Details

The Yxy color **14.5934, 0.3075, 0.5643** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.6299, 0.3011, 0.1581**, and the grayscale version is **9.2677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9662, 0.3164, 0.5003**, and **4.7651, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.3884, 0.3053, 0.5833**, and if you desaturate by 10%, it is **14.8838, 0.3095, 0.5387**.

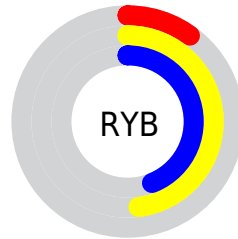
Distribution



Red (14%)

Green (48%)

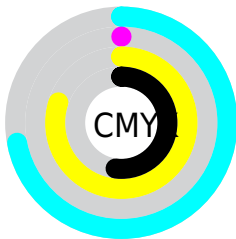
Blue (10%)



Red (10%)

Yellow (48%)

Blue (44%)

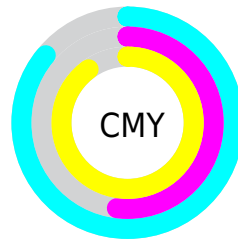


Cyan (72%)

Magenta (0%)

Yellow (80%)

Black (52%)



Cyan (86%)


Magenta (52%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5934, 0.3075, 0.5643 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 14.5934, 0.3075, 0.5643 by changing the saturation by 10% instead.


 14.5934, 0.3075,
0.5643


 14.5934, 0.3075,
0.5643


220.8918, 0.3197,
0.4161


 8.5345, 0.2959,
0.6136


 34.1383, 0.3165,
0.5014


 4.4388, 0.2836,
0.7121

 48.3931, 0.3182,
0.4806

 1.9219, 0.2059,
0.7941

 66.1487, 0.3191,
0.4641

 0.5615, 0.0000,
1.0000


 87.7894, 0.3196,
0.4508

 0.0000, 0.0000,
0.0000

 113.6997, 0.3198,
0.4398

 144.2639, 0.3199,


0.4306


 179.8665, 0.3198,
0.4228

 14.5934, 0.3075,
0.5643


 14.5934, 0.3075,
0.5643

 14.3884, 0.3053,
0.5833


 14.8838, 0.3095,
0.5387


 14.2520, 0.3036,
0.5968

 15.2657, 0.3111,
0.5083

 14.2488, 0.3036,
0.5972

 15.7466, 0.3123,
0.4754

 16.3329, 0.3130,
0.4420

 17.0302, 0.3133,
0.4098

■ 17.8440, 0.3133,
0.3798

■ 18.7792, 0.3131,
0.3526

■ 19.8406, 0.3127,
0.3283

■ 21.0326, 0.3122,
0.3069

Harmonies

Analogous

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



14.5934, 0.4159, 0.5357



14.5934, 0.3075, 0.5643



14.5934, 0.2055, 0.4699

Triad

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



14.5934, 0.3075, 0.5643



14.5934, 0.1329, 0.1663



14.5934, 0.5164, 0.2951

Complementary

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



14.5934, 0.3075, 0.5643



5.6299, 0.3011, 0.1581

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.



14.5934, 0.4021, 0.2285



14.5934, 0.3075, 0.5643



14.5934, 0.1819, 0.1584

Square

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



14.5934, 0.3075, 0.5643



14.5934, 0.1188, 0.2129



14.5934, 0.2737, 0.1801



14.5934, 0.5527, 0.3699

Rectangle

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



14.5934, 0.3075, 0.5643



14.5934, 0.1565, 0.3657



14.5934, 0.2737, 0.1801



14.5934, 0.4846, 0.2717

Sweetspot

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



14.5940, 0.3075, 0.5643



31.2149, 0.3134, 0.3942



15.7731, 0.4259, 0.4768



7.2514, 0.3133, 0.4032



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.5940, 0.3075, 0.5643



25.5553, 0.3033, 0.5938



14.7260, 0.2777, 0.4887



4.4679, 0.3131, 0.3510



14.7389, 0.3035, 0.5972



70.1226, 0.3019, 0.5985

Inverse Universe

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



5.6299, 0.3011, 0.1581



8.7023, 0.2965, 0.1424



5.5675, 0.4075, 0.2231



4.0576, 0.3122, 0.3078



4.9315, 0.2960, 0.1404



23.3084, 0.2947, 0.1397

Previews

White Background



This preview shows how the Yxy color 14.5934, 0.3075, 0.5643 looks on a white background.

Color Contrast Check

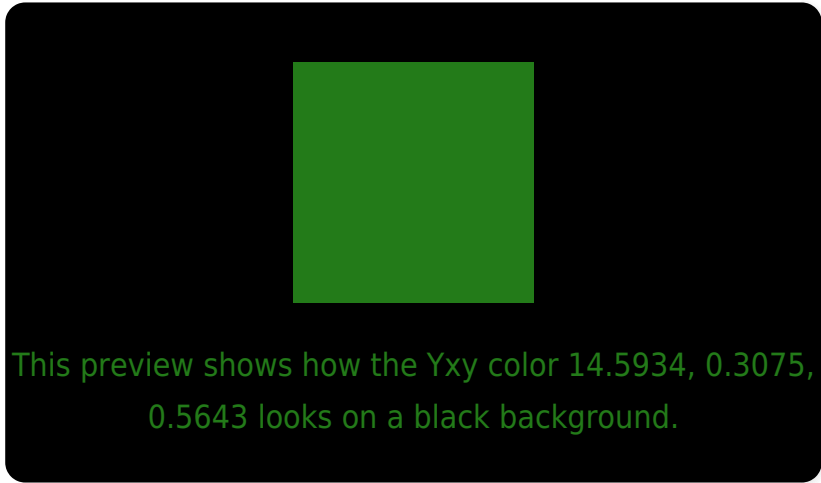
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

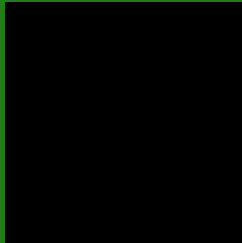
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.5934, 0.3075, 0.5643

Background



This preview shows how black text looks on a background with the Yxy color 14.5934, 0.3075, 0.5643.



This preview shows how white text looks on a background with the Yxy color 14.5934, 0.3075, 0.5643.

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

14.5934, 0.3075, 0.5643

Protanopia

14.2841, 0.4304, 0.4766

Deuteranopia

14.4153, 0.4481, 0.4416



Tritanopia

14.6774, 0.2444, 0.3084

Trichromacy



Original Color

14.5934, 0.3075, 0.5643

Protanomaly

13.7210, 0.3750, 0.5165

Deuteranomaly

13.5776, 0.3860, 0.4923

Tritanomaly

14.3653, 0.2708, 0.4050

Monochromacy



Original Color

14.5934, 0.3075, 0.5643

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.4871, 0.3124, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5934, 0.3075, 0.5643 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(35, 123, 25)` looks like.

```
.text, #text, p{  
    color:rgb(35, 123, 25)  
}
```

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(35, 123, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 123, 25) }
```

Border

The CSS property to change the border of an element to Yxy 14.5934, 0.3075, 0.5643 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(35, 123, 25) }
```

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

```
.border{ border-color:rgb(35, 123, 25) }
```

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

Here you see how a box with a 4 pixel rgb(35, 123, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 123, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 123, 25);  
box-shadow:4px 4px 4px 4px rgb(35, 123,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5934, 0.3075, 0.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 123, 25) }
```

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

```
.background{ background-color: rgb(35, 123,  
25) }
```

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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