

Converting Colors

$Y_{xy}(17.0441, 0.2963, 0.5632)$

Have a look what the booklet for
Yxy(17.0441, 0.2963, 0.5632)
contains.

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Color

Yxy(17.0443, 0.2964, 0.5630)

Conversions

Conversions Part 1

Format	Color
Hex	158521
RGB	21, 133, 33
RGB Percent	8%, 52%, 13%
CMY	0.9172, 0.4784, 0.8705
CMYK	0.84, 0.00, 0.75, 0.48
HSL	126°, 73%, 30%
HSV	126°, 84%, 52%
XYZ	8.9732, 17.0443, 4.2565
YIQ	88.1120, -34.6520, -54.8440

Conversions

Conversions Part 2

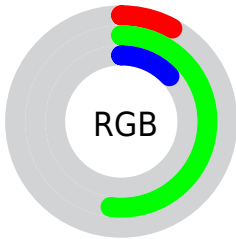
Format	Color
R_{YB}	21, 122, 133
Decimal	1410337
CIE _{Lab}	48.32, -49.55, 43.01
CIE _{LCh}	48, 65.616, 139.042
Yxy	17.0443, 0.2964, 0.5630
Android (android.graphics.Color)	4279600417 (0xFF158521)
YUV	88.1120, -27.1702, -58.8572
Hunter-Lab	41.2847, -33.4513, 22.7864

Details

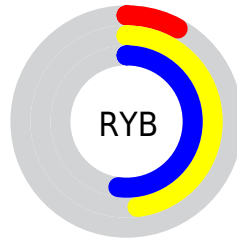
The Yxy color **17.0443, 0.2964, 0.5630** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.9099, 0.3431, 0.1769**, and the grayscale version is **9.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3046, 0.3077, 0.5018**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.8795, 0.2971, 0.5816**, and if you desaturate by 10%, it is **17.3103, 0.2965, 0.5384**.

Distribution



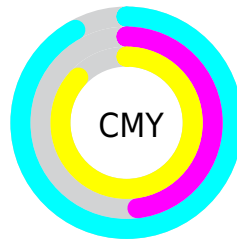
- Red (8%)
- Green (52%)
- Blue (13%)



- Red (8%)
- Yellow (48%)
- Blue (52%)



- Cyan (84%)
- Magenta (0%)
- Yellow (75%)
- Black (48%)





- Cyan (92%)
- Magenta (48%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0443, 0.2964, 0.5630 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 17.0443, 0.2964, 0.5630 by changing the saturation by 10% instead.


 17.0443, 0.2964,
0.5630


 17.0443, 0.2964,
0.5630

235.4275, 0.3146,
0.4175


 10.2661, 0.2843,
0.6106


 38.4019, 0.3073,
0.5019


 5.5757, 0.2646,
0.6854

 53.7501, 0.3099,
0.4815


 2.5889, 0.2170,
0.7830

 72.7238, 0.3116,
0.4653

 0.9211, 0.0000,
1.0000

 95.7073, 0.3127,
0.4521

 0.0000, 0.0000,
0.0000

 123.0850, 0.3134,
0.4412

 155.2413, 0.3140,

0.4320

192.5607, 0.3143,
0.4242

17.0443, 0.2964,
0.5630

17.0443, 0.2964,
0.5630

16.8795, 0.2971,
0.5816

17.3103, 0.2965,
0.5384

16.8065, 0.2972,
0.5899

17.6892, 0.2973,
0.5094

18.1926, 0.2989,
0.4780

18.8302, 0.3011,
0.4462

19.6108, 0.3036,
0.4155

■ 20.5423, 0.3062,
0.3869

■ 21.6321, 0.3090,
0.3609

■ 22.8871, 0.3116,
0.3377

■ 24.3137, 0.3142,
0.3174

Harmonies

Analogous

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



17.0443, 0.4059, 0.5435



17.0443, 0.2964, 0.5630



17.0443, 0.1962, 0.4564

Triad

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



17.0443, 0.2964, 0.5630



17.0443, 0.1350, 0.1631



17.0443, 0.5256, 0.3018

Complementary

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



17.0443, 0.2964, 0.5630



6.9099, 0.3431, 0.1769

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.



17.0443, 0.4158, 0.2338



17.0443, 0.2964, 0.5630



17.0443, 0.1881, 0.1583

Square

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



17.0443, 0.2964, 0.5630



17.0443, 0.1177, 0.2053



17.0443, 0.2847, 0.1829



17.0443, 0.5530, 0.3775

Rectangle

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



17.0443, 0.2964, 0.5630



17.0443, 0.1501, 0.3510



17.0443, 0.2847, 0.1829



17.0443, 0.4962, 0.2780

Sweetspot

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



17.0450, 0.2964, 0.5630



36.5303, 0.3059, 0.3909



20.9527, 0.3994, 0.5065



8.1142, 0.3050, 0.3993



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.0450, 0.2964, 0.5630



30.0859, 0.2978, 0.5920



17.6438, 0.2601, 0.4383



5.2122, 0.3103, 0.3490



16.0098, 0.2971, 0.5896



0.0560, 0.2855, 0.5477

Inverse Universe

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



6.9099, 0.3431, 0.1769



11.2951, 0.3495, 0.1699



5.9187, 0.4845, 0.2626



4.7545, 0.3152, 0.3098



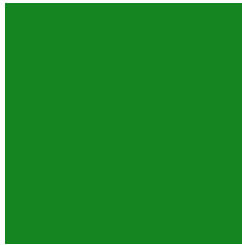
6.0159, 0.3488, 0.1695



0.0214, 0.3336, 0.1612

Previews

White Background



This preview shows how the Yxy color 17.0443, 0.2964, 0.5630 looks on a white background.

Color Contrast Check

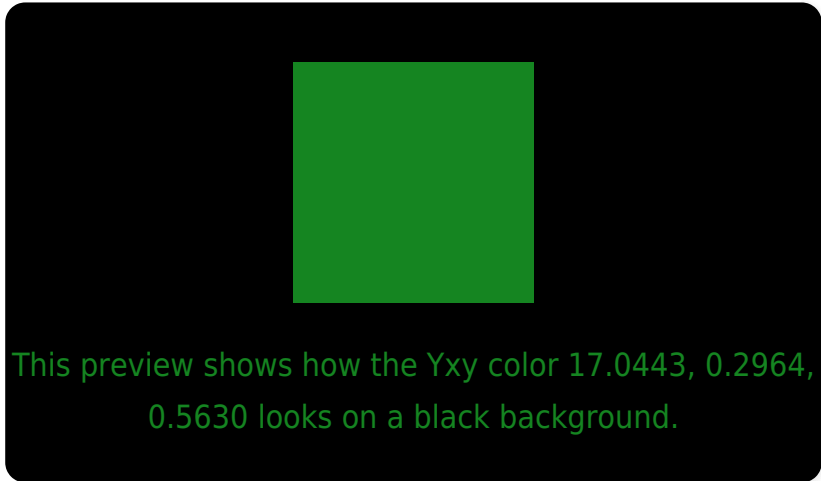
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0443, 0.2964, 0.5630

Background



This preview shows how black text looks on a background with the Yxy color 17.0443, 0.2964, 0.5630.



This preview shows how white text looks on a background with the Yxy color 17.0443, 0.2964, 0.5630.

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

17.0443, 0.2964, 0.5630

Protanopia

16.7077, 0.4278, 0.4725

Deuteranopia

16.6503, 0.4437, 0.4358



Tritanopia

17.0361, 0.2391, 0.3073

Trichromacy



Original Color

17.0443, 0.2964, 0.5630



Protanomaly

15.8923, 0.3635, 0.5162



Deuteranomaly

15.4657, 0.3733, 0.4907



Tritanomaly

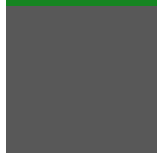
16.5997, 0.2618, 0.4012

Monochromacy



Original Color

17.0443, 0.2964, 0.5630



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.4080, 0.3030, 0.4263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0443, 0.2964, 0.5630 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(21, 133, 33)` looks like.

```
.text, #text, p{  
    color:rgb(21, 133, 33)  
}
```

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(21, 133, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 133, 33) }
```

Border

The CSS property to change the border of an element to Yxy 17.0443, 0.2964, 0.5630 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(21, 133, 33) }
```

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

```
.border{ border-color:rgb(21, 133, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 133, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 133, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 133, 33);  
box-shadow:4px 4px 4px 4px rgb(21, 133,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0443, 0.2964, 0.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 133, 33) }
```

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

```
.background{ background-color: rgb(21, 133,  
33) }
```

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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