

Converting Colors

$Yxy(14.8893, 0.3092, 0.5556)$

Have a look what the booklet for
Yxy(14.8893, 0.3092, 0.5556)
contains.

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Color

Yxy(14.9551, 0.3091, 0.5566)

Conversions

Conversions Part 1

Format	Color
Hex	287C1D
RGB	40, 124, 29
RGB Percent	16%, 49%, 11%
CMY	0.8430, 0.5137, 0.8864
CMYK	0.68, 0.00, 0.77, 0.51
HSL	113°, 62%, 30%
HSV	113°, 77%, 49%
XYZ	8.3051, 14.9551, 3.6085
YIQ	88.0540, -19.5690, -47.3530

Conversions

Conversions Part 2

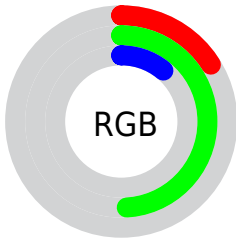
Format	Color
RYB	29, 124, 113
Decimal	2653213
CIELab	45.57, -43.53, 41.92
CIELCh	46, 60.429, 136.078
Yxy	14.9551, 0.3091, 0.5566
Android (android.graphics.Color)	4280843293 (0xFF287C1D)
YUV	88.0540, -29.1136, -42.1434
Hunter-Lab	38.6718, -29.3413, 21.5379

Details

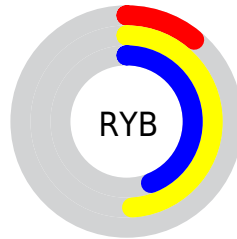
The Yxy color **14.9551, 0.3091, 0.5566** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.8376, 0.2993, 0.1607**, and the grayscale version is **9.8408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5649, 0.3168, 0.4955**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.7169, 0.3068, 0.5778**, and if you desaturate by 10%, it is **15.2816, 0.3110, 0.5294**.

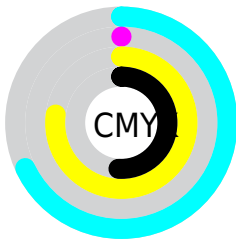
Distribution



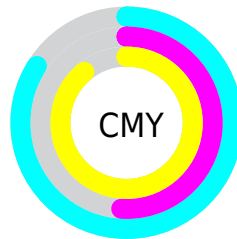
- Red (16%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (44%)



- Cyan (68%)
- Magenta (0%)
- Yellow (77%)
- Black (51%)





- Cyan (84%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9551, 0.3091, 0.5566 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 14.9551, 0.3091, 0.5566 by changing the saturation by 10% instead.


 14.9551, 0.3091,
0.5566


 14.9551, 0.3091,
0.5566


223.0943, 0.3197,
0.4137


 8.7879, 0.2987,
0.6042


 34.7744, 0.3172,
0.4960

 4.6031, 0.2854,
0.6918

 49.1953, 0.3186,
0.4760


 2.0163, 0.2222,
0.7778

 67.1361, 0.3194,
0.4601

 0.6169, 0.0000,
1.0000


 88.9814, 0.3198,
0.4472


 0.0000, 0.0000,
0.0000


 115.1154, 0.3199,
0.4366


 145.9227, 0.3199,


0.4277


 181.7875, 0.3199,
0.4202


 14.9551, 0.3091,
0.5566


 14.9551, 0.3091,
0.5566


 14.7169, 0.3068,
0.5778


 15.2816, 0.3110,
0.5294

 14.5543, 0.3045,
0.5923

 15.7019, 0.3125,
0.4981

 14.5124, 0.3041,
0.5967

 16.2232, 0.3134,
0.4649

 16.8517, 0.3139,
0.4319

 17.5928, 0.3139,
0.4003

■ 18.4517, 0.3136,
0.3712

■ 19.4333, 0.3131,
0.3449

■ 20.5421, 0.3125,
0.3215

■ 21.7826, 0.3117,
0.3009

Harmonies

Analogous

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



14.9551, 0.4152, 0.5311



14.9551, 0.3091, 0.5566



14.9551, 0.2091, 0.4653

Triad

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



14.9551, 0.3091, 0.5566



14.9551, 0.1366, 0.1702



14.9551, 0.5104, 0.2966

Complementary

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



14.9551, 0.3091, 0.5566



5.8376, 0.2993, 0.1607

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.



14.9551, 0.3995, 0.2309



14.9551, 0.3091, 0.5566



14.9551, 0.1850, 0.1620

Square

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



14.9551, 0.3091, 0.5566



14.9551, 0.1228, 0.2165



14.9551, 0.2748, 0.1834



14.9551, 0.5467, 0.3705

Rectangle

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



14.9551, 0.3091, 0.5566



14.9551, 0.1607, 0.3653



14.9551, 0.2748, 0.1834



14.9551, 0.4794, 0.2735

Sweetspot

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



14.9557, 0.3091, 0.5566



31.4050, 0.3138, 0.3910



16.1643, 0.4230, 0.4739



7.2930, 0.3139, 0.4002



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.



14.9557, 0.3091, 0.5566



25.6734, 0.3049, 0.5889



15.0622, 0.2777, 0.4820



4.4703, 0.3133, 0.3510



14.7525, 0.3041, 0.5968



70.1712, 0.3023, 0.5981

Inverse Universe

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



5.8376, 0.2993, 0.1607



8.7225, 0.2944, 0.1431



5.8593, 0.4025, 0.2247



4.0550, 0.3120, 0.3078



4.8193, 0.2927, 0.1386



22.7491, 0.2911, 0.1377

Previews

White Background



This preview shows how the Yxy color 14.9551, 0.3091, 0.5566 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



This preview shows how the Yxy color 14.9551, 0.3091, 0.5566 looks on a 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 14.9551, 0.3091, 0.5566

Background



This preview shows how black text looks on a background with the Yxy color 14.9551, 0.3091, 0.5566.



This preview shows how white text looks on a background with the Yxy color 14.9551, 0.3091, 0.5566.

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

14.9551, 0.3091, 0.5566

Protanopia

14.8603, 0.4280, 0.4738

Deuteranopia

14.7110, 0.4454, 0.4387



Tritanopia

15.0282, 0.2464, 0.3086

Trichromacy



Original Color

14.9551, 0.3091, 0.5566

Protanomaly

14.3845, 0.3766, 0.5102

Deuteranomaly

13.9825, 0.3864, 0.4852

Tritanomaly

14.7441, 0.2726, 0.4012

Monochromacy



Original Color

14.9551, 0.3091, 0.5566

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.0522, 0.3140, 0.4198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9551, 0.3091, 0.5566 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(40, 124, 29)` looks like.

```
.text, #text, p{  
    color:rgb(40, 124, 29)  
}
```

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(40, 124, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 124, 29) }
```

Border

The CSS property to change the border of an element to Yxy 14.9551, 0.3091, 0.5566 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(40, 124, 29) }
```

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

```
.border{ border-color:rgb(40, 124, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 124, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 124, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 124, 29);  
box-shadow:4px 4px 4px 4px rgb(40, 124,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9551, 0.3091, 0.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 124, 29) }
```

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

```
.background{ background-color: rgb(40, 124,  
29) }
```

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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