

Converting Colors

$Y_{xy}(14.0538, 0.5511, 0.3668)$

Have a look what the booklet for
Yxy(14.0538, 0.5511, 0.3668)
contains.

Yxy(13.9554, 0.5519, 0.3666)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9554, 0.5519, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	B34522
RGB	179, 69, 34
RGB Percent	70%, 27%, 13%
CMY	0.2980, 0.7294, 0.8665
CMYK	0.00, 0.61, 0.81, 0.30
HSL	14°, 68%, 42%
HSV	14°, 81%, 70%
XYZ	21.0092, 13.9554, 3.1025
YIQ	97.9000, 76.7950, 12.4350

Conversions

Conversions Part 2

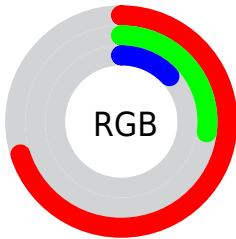
Format	Color
R_{YB}	179, 80, 34
Decimal	11748642
CIE Lab	44.17, 42.97, 42.65
CIE LCh	44, 60.543, 44.790
Yxy	13.9554, 0.5519, 0.3666
Android (android.graphics.Color)	4289938722 (0xFFB34522)
YUV	97.9000, -31.5027, 71.1247
Hunter-Lab	37.3569, 35.0123, 21.2259

Details

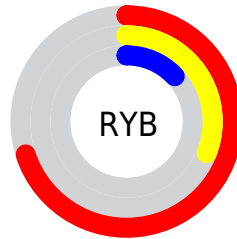
The Yxy color **13.9554, 0.5519, 0.3666** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **23.5574, 0.2121, 0.2660**, and the grayscale version is **12.2543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9696, 0.4991, 0.3689**, and **4.1849, 0.6280, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **12.3942, 0.5853, 0.3614**, and if you desaturate by 10%, it is **15.9546, 0.5135, 0.3678**.

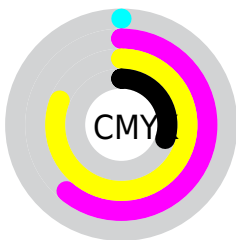
Distribution



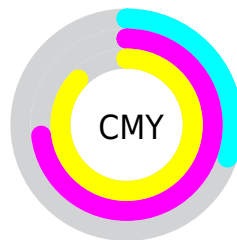
- Red (70%)
- Green (27%)
- Blue (13%)



- Red (70%)
- Yellow (31%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (81%)
- Black (30%)




- Cyan (30%)
- Magenta (73%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9554, 0.5519, 0.3666 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 13.9554, 0.5519, 0.3666 by changing the saturation by 10% instead.


 13.9554, 0.5519,
0.3666


 13.9554, 0.5519,
0.3666


216.9532, 0.4135,
0.3588


 8.0897, 0.5891,
0.3599


 33.0099, 0.4983,
0.3689


 4.1524, 0.6489,
0.3511


 46.9674, 0.4790,
0.3679

 1.7592, 0.6912,
0.3088

 64.3909, 0.4631,
0.3665

 0.4615, 0.7831,
0.2169

 85.6649, 0.4498,
0.3649


 0.0000, 1.0000,
0.0000

 111.1738, 0.4386,
0.3633

 0.0000, 0.0000,
0.0000


 141.3018, 0.4290,


0.3617

 176.4335, 0.4207,
0.3602


 13.9554, 0.5519,
0.3666

 13.9554, 0.5519,
0.3666

 12.3942, 0.5853,
0.3614

 15.9546, 0.5135,
0.3678

 11.3246, 0.6092,
0.3545

 18.4207, 0.4743,
0.3657

 21.3827, 0.4373,
0.3611

 24.8665, 0.4042,
0.3552

 28.8962, 0.3756,
0.3486

■ 33.4941, 0.3514,
0.3420

■ 38.6814, 0.3312,
0.3356

■ 44.4783, 0.3142,
0.3296

■ 50.9039, 0.3001,
0.3240

Harmonies

Analogous

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



13.9554, 0.5116, 0.2923



13.9554, 0.5519, 0.3666



13.9554, 0.5102, 0.4491

Triad

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



13.9554, 0.5519, 0.3666



13.9554, 0.2101, 0.4754



13.9554, 0.1795, 0.1588

Complementary

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



13.9554, 0.5519, 0.3666



23.5574, 0.2121, 0.2660

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.



13.9554, 0.1323, 0.1682



13.9554, 0.5519, 0.3666



13.9554, 0.1427, 0.3233

Square

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



13.9554, 0.5519, 0.3666



13.9554, 0.3126, 0.5639



13.9554, 0.1197, 0.2168



13.9554, 0.2689, 0.1792

Rectangle

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



13.9554, 0.5519, 0.3666



13.9554, 0.4535, 0.5061



13.9554, 0.1197, 0.2168



13.9554, 0.1595, 0.1584

Sweetspot

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



13.9562, 0.5519, 0.3666



57.0480, 0.3593, 0.3443



12.7809, 0.3730, 0.1963



11.9972, 0.3678, 0.3466



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.9562, 0.5519, 0.3666



20.5426, 0.6050, 0.3549



28.5589, 0.4537, 0.4576



8.8271, 0.3281, 0.3346



8.0889, 0.6072, 0.3561



0.3466, 0.5529, 0.3992

Inverse Universe

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



23.5574, 0.2121, 0.2660



37.6240, 0.2033, 0.2505



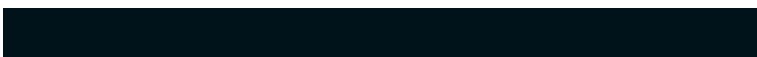
8.3210, 0.1767, 0.1318



9.2774, 0.2986, 0.3234



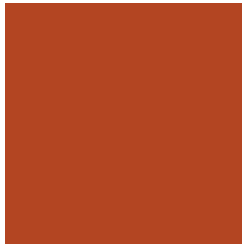
14.8150, 0.2029, 0.2503



0.5501, 0.2097, 0.2747

Previews

White Background



This preview shows how the Yxy color 13.9554, 0.5519, 0.3666 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 13.9554, 0.5519, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

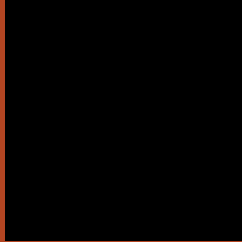
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9554, 0.5519, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 13.9554, 0.5519, 0.3666.



This preview shows how white text looks on a background with the Yxy color 13.9554, 0.5519, 0.3666.

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

13.9554, 0.5519, 0.3666

Protanopia

14.0669, 0.4099, 0.4490

Deuteranopia

14.0858, 0.4570, 0.4521



Tritanopia

13.9136, 0.5082, 0.3246

Trichromacy



Original Color

13.9554, 0.5519, 0.3666

Protanomaly

13.3829, 0.4665, 0.4155

Deuteranomaly

13.6182, 0.4952, 0.4169

Tritanomaly

13.8853, 0.5284, 0.3415

Monochromacy



Original Color

13.9554, 0.5519, 0.3666

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8364, 0.4009, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9554, 0.5519, 0.3666 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(179, 69, 34)` looks like.

```
.text, #text, p{  
  color:rgb(179, 69, 34)  
}
```

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(179, 69, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 69, 34) }
```

Border

The CSS property to change the border of an element to Yxy 13.9554, 0.5519, 0.3666 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(179, 69, 34) }
```

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

```
.border{ border-color:rgb(179, 69, 34) }
```

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

Here you see how a box with a 4 pixel rgb(179, 69, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 69, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 69, 34);  
box-shadow:4px 4px 4px 4px rgb(179, 69,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9554, 0.5519, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 69, 34) }
```

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

```
.background{ background-color: rgb(179, 69,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor