

Converting Colors

$Y_{xy}(13.9781, 0.5234, 0.3520)$

Have a look what the booklet for
Yxy(13.9781, 0.5234, 0.3520)
contains.

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Color

Yxy(13.9936, 0.5231, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	B04735
RGB	176, 71, 53
RGB Percent	69%, 28%, 21%
CMY	0.3098, 0.7216, 0.7922
CMYK	0.00, 0.60, 0.70, 0.31
HSL	9°, 54%, 45%
HSV	9°, 70%, 69%
XYZ	20.8015, 13.9936, 4.9707
YIQ	100.3430, 68.3580, 16.6620

Conversions

Conversions Part 2

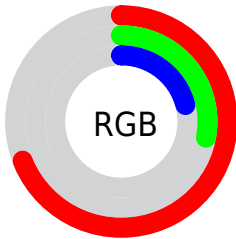
Format	Color
R_{YB}	176, 74, 53
Decimal	11552565
CIE Lab	44.22, 41.73, 32.35
CIE LCh	44, 52.804, 37.787
Yxy	13.9936, 0.5231, 0.3519
Android (android.graphics.Color)	4289742645 (0xFFB04735)
YUV	100.3430, -23.3401, 66.3512
Hunter-Lab	37.4080, 33.7946, 18.3072

Details

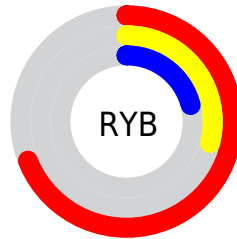
The Yxy color **13.9936, 0.5231, 0.3519** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.3425, 0.2260, 0.2974**, and the grayscale version is **12.8838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0905, 0.4738, 0.3539**, and **4.1722, 0.6102, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **12.1808, 0.5649, 0.3506**, and if you desaturate by 10%, it is **16.3399, 0.4802, 0.3509**.

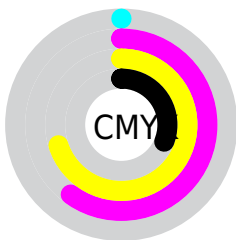
Distribution



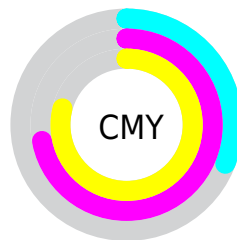
- Red (69%)
- Green (28%)
- Blue (21%)



- Red (69%)
- Yellow (29%)
- Blue (21%)



- Cyan (0%)
- Magenta (60%)
- Yellow (70%)
- Black (31%)





- Cyan (31%)
- Magenta (72%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9936, 0.5231, 0.3519 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 13.9936, 0.5231, 0.3519 by changing the saturation by 10% instead.


 13.9936, 0.5231,
0.3519


 13.9936, 0.5231,
0.3519


217.1910, 0.3986,
0.3477


 8.1162, 0.5599,
0.3472


 33.0777, 0.4732,
0.3537


 4.1694, 0.6106,
0.3364

 47.0531, 0.4558,
0.3532

 1.7688, 0.6863,
0.3137

 64.4968, 0.4416,
0.3524

 0.4676, 0.7769,
0.2231

 85.7929, 0.4300,
0.3514

 0.0000, 1.0000,
0.0000

 111.3261, 0.4202,
0.3504

 0.0000, 0.0000,
0.0000

 141.4805, 0.4119,

0.3495

176.6407, 0.4048,
0.3486

■ 13.9936, 0.5231,
0.3519

■ 13.9936, 0.5231,
0.3519

■ 12.1808, 0.5649,
0.3506

■ 16.3399, 0.4802,
0.3509

■ 10.8567, 0.6002,
0.3465

■ 19.2551, 0.4401,
0.3482

■ 9.9672, 0.6257,
0.3412

■ 22.7741, 0.4048,
0.3446

■ 9.9600, 0.6259,
0.3412

■ 26.9284, 0.3748,
0.3406

■ 31.7474, 0.3499,
0.3365

■ 37.2585, 0.3294,
0.3326

■ 43.4877, 0.3126,
0.3290

■ 50.4596, 0.2987,
0.3256

■ 58.1974, 0.2873,
0.3226

Harmonies

Analogous

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



13.9936, 0.4674, 0.2835



13.9936, 0.5231, 0.3519



13.9936, 0.5055, 0.4258

Triad

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



13.9936, 0.5231, 0.3519



13.9936, 0.2441, 0.4803



13.9936, 0.1798, 0.1744

Complementary

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



13.9936, 0.5231, 0.3519



28.3425, 0.2260, 0.2974

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.



13.9936, 0.1434, 0.1919



13.9936, 0.5231, 0.3519



13.9936, 0.1720, 0.3554

Square

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



13.9936, 0.5231, 0.3519



13.9936, 0.3408, 0.5346



13.9936, 0.1398, 0.2488



13.9936, 0.2526, 0.1868

Rectangle

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



13.9936, 0.5231, 0.3519



13.9936, 0.4628, 0.4756



13.9936, 0.1398, 0.2488



13.9936, 0.1639, 0.1766

Sweetspot

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



13.9944, 0.5231, 0.3519



56.2108, 0.3533, 0.3371



14.3001, 0.3431, 0.1925



11.6577, 0.3597, 0.3382



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.9944, 0.5231, 0.3519



20.6472, 0.5858, 0.3486



25.6935, 0.4497, 0.4335



8.6995, 0.3283, 0.3324



7.3618, 0.6245, 0.3423



0.2941, 0.5812, 0.3767

Inverse Universe

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



28.3425, 0.2260, 0.2974



47.9721, 0.2167, 0.2894



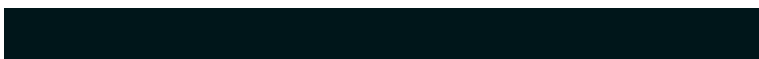
12.6441, 0.1979, 0.1829



9.4152, 0.2986, 0.3256



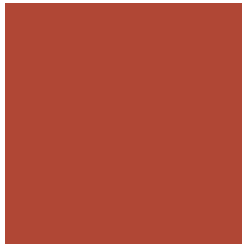
18.4238, 0.2118, 0.2826



0.6373, 0.2158, 0.2968

Previews

White Background



This preview shows how the Yxy color 13.9936, 0.5231, 0.3519 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 13.9936, 0.5231, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 13.9936, 0.5231, 0.3519.



This preview shows how white text looks on a background with the Yxy color 13.9936, 0.5231, 0.3519.

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

13.9936, 0.5231, 0.3519

Protanopia

14.1296, 0.3818, 0.4126

Deuteranopia

14.0654, 0.4327, 0.4263



Tritanopia

13.9624, 0.4950, 0.3229

Trichromacy



Original Color

13.9936, 0.5231, 0.3519

Protanomaly

13.4840, 0.4334, 0.3877

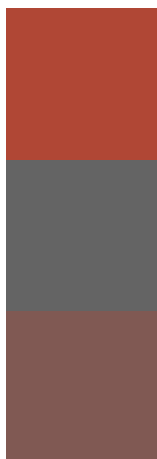
Deuteranomaly

13.5696, 0.4697, 0.3944

Tritanomaly

13.9967, 0.5061, 0.3334

Monochromacy



Original Color

13.9936, 0.5231, 0.3519

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3585, 0.3875, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9936, 0.5231, 0.3519 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(176, 71, 53)` looks like.

```
.text, #text, p{  
    color:rgb(176, 71, 53)  
}
```

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(176, 71, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 71, 53) }
```

Border

The CSS property to change the border of an element to Yxy 13.9936, 0.5231, 0.3519 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(176, 71, 53) }
```

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

```
.border{ border-color:rgb(176, 71, 53) }
```

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

Here you see how a box with a 4 pixel rgb(176, 71, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 71, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 71, 53);  
box-shadow:4px 4px 4px 4px rgb(176, 71,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9936, 0.5231, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 71, 53) }
```

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

```
.background{ background-color: rgb(176, 71,  
53) }
```

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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