

Converting Colors

$Y_{xy}(12.7194, 0.5071, 0.3531)$

Have a look what the booklet for
Yxy(12.7194, 0.5071, 0.3531)
contains.

Yxy(12.6653, 0.5082, 0.3531)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6653, 0.5082, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	A44736
RGB	164, 71, 54
RGB Percent	64%, 28%, 21%
CMY	0.3569, 0.7215, 0.7882
CMYK	0.00, 0.57, 0.67, 0.36
HSL	9°, 50%, 43%
HSV	9°, 67%, 64%
XYZ	18.2286, 12.6653, 4.9750
YIQ	96.8690, 60.8850, 14.4290

Conversions

Conversions Part 2

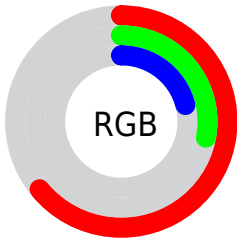
Format	Color
RYB	164, 74, 54
Decimal	10766134
CIELab	42.25, 37.24, 28.94
CIELCh	42, 47.166, 37.846
Yxy	12.6653, 0.5082, 0.3531
Android (android.graphics.Color)	4288956214 (0xFFA44736)
YUV	96.8690, -21.1344, 58.8739
Hunter-Lab	35.5883, 29.1492, 16.6235

Details

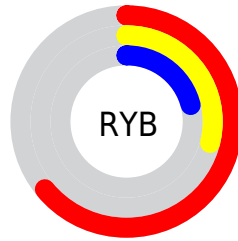
The Yxy color **12.6653, 0.5082, 0.3531** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.3316, 0.2280, 0.2974**, and the grayscale version is **11.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7059, 0.4610, 0.3534**, and **3.5518, 0.5976, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **10.9699, 0.5504, 0.3526**, and if you desaturate by 10%, it is **14.8165, 0.4664, 0.3514**.

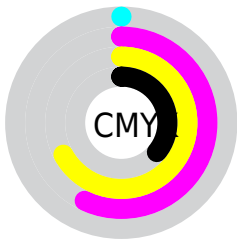
Distribution



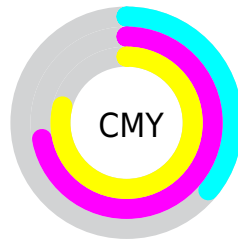
- Red (64%)
- Green (28%)
- Blue (21%)



- Red (64%)
- Yellow (29%)
- Blue (21%)



- Cyan (0%)
- Magenta (57%)
- Yellow (67%)
- Black (36%)





- Cyan (36%)
- Magenta (72%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6653, 0.5082, 0.3531 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 12.6653, 0.5082, 0.3531 by changing the saturation by 10% instead.


 12.6653, 0.5082,
0.3531


 12.6653, 0.5082,
0.3531

 208.7613, 0.3904,
0.3465

 7.1985, 0.5447,
0.3497


 30.7012, 0.4600,
0.3535


 3.5865, 0.5966,
0.3407

 44.0390, 0.4435,
0.3526


 1.4451, 0.6791,
0.3209

 60.7693, 0.4303,
0.3515

 0.2496, 0.8260,
0.1740

 81.2764, 0.4194,
0.3504

 0.0000, 1.0000,
0.0000

 105.9448, 0.4103,
0.3494

 0.0000, 0.0000,
0.0000

 135.1588, 0.4026,

0.3484

169.3029, 0.3961,
0.3474

■ 12.6653, 0.5082,
0.3531

■ 12.6653, 0.5082,
0.3531

■ 10.9699, 0.5504,
0.3526

■ 14.8165, 0.4664,
0.3514

■ 9.6950, 0.5882,
0.3494

■ 17.4512, 0.4281,
0.3482

■ 8.8017, 0.6168,
0.3439

■ 20.5974, 0.3948,
0.3442

■ 8.6022, 0.6240,
0.3427

■ 24.2804, 0.3668,
0.3399

■ 28.5236, 0.3434,
0.3357

■ 33.3492, 0.3242,
0.3317

■ 38.7781, 0.3084,
0.3279

■ 44.8302, 0.2953,
0.3245

■ 51.5246, 0.2845,
0.3214

Harmonies

Analogous

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



12.6653, 0.4559, 0.2875



12.6653, 0.5082, 0.3531



12.6653, 0.4938, 0.4231

Triad

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



12.6653, 0.5082, 0.3531



12.6653, 0.2500, 0.4667



12.6653, 0.1881, 0.1835

Complementary

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



12.6653, 0.5082, 0.3531



24.3316, 0.2280, 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.



12.6653, 0.1531, 0.2008



12.6653, 0.5082, 0.3531



12.6653, 0.1814, 0.3541

Square

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



12.6653, 0.5082, 0.3531



12.6653, 0.3412, 0.5183



12.6653, 0.1500, 0.2555



12.6653, 0.2573, 0.1952

Rectangle

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



12.6653, 0.5082, 0.3531



12.6653, 0.4550, 0.4687



12.6653, 0.1500, 0.2555



12.6653, 0.1728, 0.1857

Sweetspot

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



12.6660, 0.5082, 0.3531



49.1134, 0.3507, 0.3371



12.6536, 0.3444, 0.1987



10.2872, 0.3568, 0.3382



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.6660, 0.5082, 0.3531



18.7956, 0.5681, 0.3516



22.9529, 0.4409, 0.4330



7.2546, 0.3281, 0.3325



6.6433, 0.6227, 0.3437



0.1870, 0.5701, 0.3855

Inverse Universe

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



24.3316, 0.2280, 0.2974



41.2210, 0.2183, 0.2895



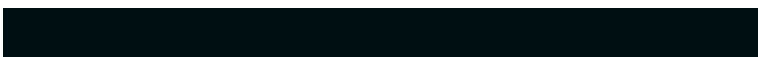
11.2068, 0.2017, 0.1869



7.8239, 0.2988, 0.3254



16.1929, 0.2111, 0.2801



0.3874, 0.2165, 0.2995

Previews

White Background



This preview shows how the Yxy color 12.6653, 0.5082, 0.3531 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 12.6653, 0.5082, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

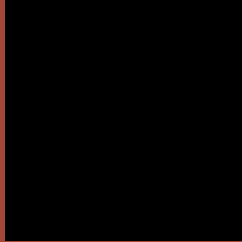
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6653, 0.5082, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 12.6653, 0.5082, 0.3531.



This preview shows how white text looks on a background with the Yxy color 12.6653, 0.5082, 0.3531.

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

12.6653, 0.5082, 0.3531

Protanopia

12.7472, 0.3763, 0.4059

Deuteranopia

12.8726, 0.4261, 0.4203



Tritanopia

12.6146, 0.4799, 0.3222

Trichromacy



Original Color

12.6653, 0.5082, 0.3531

Protanomaly

12.1488, 0.4253, 0.3836

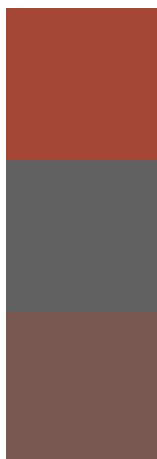
Deuteranomaly

12.5444, 0.4582, 0.3923

Tritanomaly

12.6489, 0.4916, 0.3338

Monochromacy



Original Color

12.6653, 0.5082, 0.3531

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.6385, 0.3799, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6653, 0.5082, 0.3531 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(164, 71, 54)` looks like.

```
.text, #text, p{  
    color:rgb(164, 71, 54)  
}
```

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(164, 71, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 71, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.6653, 0.5082, 0.3531 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(164, 71, 54) }
```

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

```
.border{ border-color:rgb(164, 71, 54) }
```

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

Here you see how a box with a 4 pixel rgb(164, 71, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 71, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 71, 54);  
box-shadow:4px 4px 4px 4px rgb(164, 71,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6653, 0.5082, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 71, 54) }
```

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

```
.background{ background-color: rgb(164, 71,  
54) }
```

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