

Converting Colors

$Y_{xy}(14.1835, 0.4663, 0.3645)$

Have a look what the booklet for
Yxy(14.1835, 0.4663, 0.3645)
contains.

Yxy(14.1938, 0.4658, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.1938, 0.4658, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	9D5640
RGB	157, 86, 64
RGB Percent	62%, 34%, 25%
CMY	0.3843, 0.6627, 0.7491
CMYK	0.00, 0.45, 0.59, 0.38
HSL	14°, 42%, 43%
HSV	14°, 59%, 62%
XYZ	18.1584, 14.1938, 6.6311
YIQ	104.7210, 49.3780, 8.2100

Conversions

Conversions Part 2

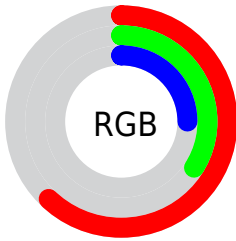
Format	Color
RYB	157, 93, 64
Decimal	10311232
CIELab	44.51, 27.15, 25.64
CIElCh	45, 37.346, 43.357
Yxy	14.1938, 0.4658, 0.3641
Android (android.graphics.Color)	4288501312 (0xFF9D5640)
YUV	104.7210, -20.0755, 45.8487
Hunter-Lab	37.6747, 20.1026, 15.9367

Details

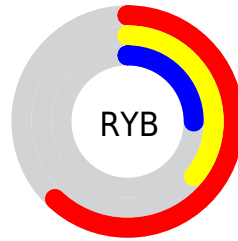
The Yxy color **14.1938, 0.4658, 0.3641** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.8496, 0.2318, 0.2866**, and the grayscale version is **14.0925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5082, 0.4285, 0.3599**, and **4.2682, 0.5340, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **12.2843, 0.5045, 0.3668**, and if you desaturate by 10%, it is **16.4761, 0.4298, 0.3593**.

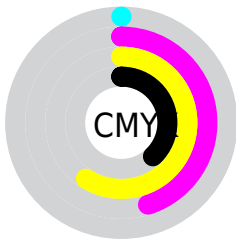
Distribution



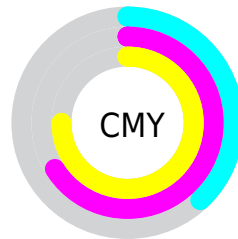
- Red (62%)
- Green (34%)
- Blue (25%)



- Red (62%)
- Yellow (36%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (59%)
- Black (38%)





- Cyan (38%)
- Magenta (66%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1938, 0.4658, 0.3641 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 14.1938, 0.4658, 0.3641 by changing the saturation by 10% instead.


 14.1938, 0.4658,
0.3641


 14.1938, 0.4658,
0.3641


218.4332, 0.3743,
0.3482


 8.2556, 0.4945,
0.3657


 33.4325, 0.4284,
0.3595


 4.2589, 0.5347,
0.3646

 47.5018, 0.4156,
0.3573


 1.8194, 0.6254,
0.3746

 65.0502, 0.4053,
0.3553

 0.4992, 0.7015,
0.2985

 86.4621, 0.3969,
0.3536

 0.0000, 1.0000,
0.0000

 112.1220, 0.3898,
0.3520

 0.0000, 0.0000,
0.0000

 142.4142, 0.3839,

0.3506

177.7231, 0.3787,
0.3493

■ 14.1938, 0.4658,
0.3641

■ 14.1938, 0.4658,
0.3641

■ 12.2843, 0.5045,
0.3668

■ 16.4761, 0.4298,
0.3593

■ 10.7249, 0.5433,
0.3665

■ 19.1476, 0.3979,
0.3534

■ 9.4941, 0.5781,
0.3623

■ 22.2266, 0.3705,
0.3469

■ 8.5615, 0.6065,
0.3555

■ 25.7293, 0.3473,
0.3405

■ 8.5017, 0.6085,
0.3550

■ 29.6712, 0.3278,
0.3344

■ 34.0670, 0.3116,
0.3286

■ 38.9305, 0.2980,
0.3233

■ 44.2752, 0.2866,
0.3184

■ 50.1139, 0.2770,
0.3140

Harmonies

Analogous

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



14.1938, 0.4330, 0.3081



14.1938, 0.4658, 0.3641



14.1938, 0.4503, 0.4200

Triad

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



14.1938, 0.4658, 0.3641



14.1938, 0.2546, 0.4171



14.1938, 0.2222, 0.2120

Complementary

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



14.1938, 0.4658, 0.3641



20.8496, 0.2318, 0.2866

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.



14.1938, 0.1873, 0.2234



14.1938, 0.4658, 0.3641



14.1938, 0.2028, 0.3347

Square

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



14.1938, 0.4658, 0.3641



14.1938, 0.3260, 0.4678



14.1938, 0.1804, 0.2640



14.1938, 0.2837, 0.2253

Rectangle

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



14.1938, 0.4658, 0.3641



14.1938, 0.4183, 0.4513



14.1938, 0.1804, 0.2640



14.1938, 0.2075, 0.2129

Sweetspot

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



14.1945, 0.4658, 0.3641



46.6768, 0.3454, 0.3400



12.5918, 0.3524, 0.2204



9.8742, 0.3512, 0.3417



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



14.1945, 0.4658, 0.3641



21.0608, 0.5168, 0.3671



24.0958, 0.4165, 0.4343



6.8884, 0.3278, 0.3344



6.9542, 0.6072, 0.3561



0.1827, 0.5403, 0.4092

Inverse Universe

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



20.8496, 0.2318, 0.2866



33.9393, 0.2194, 0.2754



10.6343, 0.2110, 0.1908



7.2432, 0.2988, 0.3236



12.9152, 0.2034, 0.2524



0.2906, 0.2129, 0.2864

Previews

White Background



This preview shows how the Yxy color 14.1938, 0.4658, 0.3641 looks on a white background.

Color Contrast Check

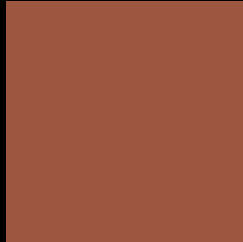
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1938, 0.4658, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

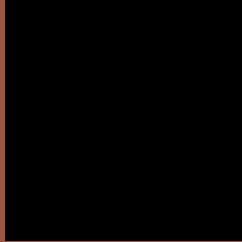
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1938, 0.4658, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 14.1938, 0.4658, 0.3641.



This preview shows how white text looks on a background with the Yxy color 14.1938, 0.4658, 0.3641.

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

14.1938, 0.4658, 0.3641

Protanopia

14.4208, 0.3718, 0.4003

Deuteranopia

14.3114, 0.4125, 0.4058



Tritanopia

14.2787, 0.4297, 0.3197

Trichromacy



Original Color

14.1938, 0.4658, 0.3641

Protanomaly

14.0992, 0.4048, 0.3872

Deuteranomaly

14.2025, 0.4316, 0.3905

Tritanomaly

14.1889, 0.4431, 0.3358

Monochromacy



Original Color

14.1938, 0.4658, 0.3641

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7586, 0.3645, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1938, 0.4658, 0.3641 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(157, 86, 64)` looks like.

```
.text, #text, p{  
    color:rgb(157, 86, 64)  
}
```

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(157, 86, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 86, 64) }
```

Border

The CSS property to change the border of an element to Yxy 14.1938, 0.4658, 0.3641 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(157, 86, 64) }
```

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

```
.border{ border-color:rgb(157, 86, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 86, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 86, 64); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 86, 64); box-shadow:4px 4px 4px 4px rgb(157, 86, 64) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1938, 0.4658, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 86, 64) }
```

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

```
.background{ background-color: rgb(157, 86,  
64) }
```

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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