

Converting Colors

$Y_{xy}(13.2532, 0.5128, 0.3939)$

Have a look what the booklet for
Yxy(13.2532, 0.5128, 0.3939)
contains.

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Color

Yxy(13.2695, 0.5133, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	9E5122
RGB	158, 81, 34
RGB Percent	62%, 32%, 13%
CMY	0.3804, 0.6823, 0.8665
CMYK	0.00, 0.49, 0.78, 0.38
HSL	23°, 65%, 38%
HSV	23°, 78%, 62%
XYZ	17.3314, 13.2695, 3.1637
YIQ	98.6650, 60.9790, 1.7070

Conversions

Conversions Part 2

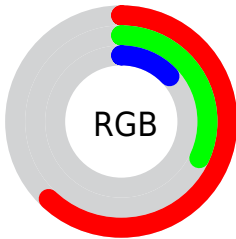
Format	Color
R_{YB}	158, 110, 34
Decimal	10375458
CIE _{Lab}	43.17, 28.50, 40.53
CIE _{LCh}	43, 49.545, 54.879
Yxy	13.2695, 0.5133, 0.3930
Android (android.graphics.Color)	4288565538 (0xFF9E5122)
YUV	98.6650, -31.8798, 52.0368
Hunter-Lab	36.4273, 21.1789, 20.3497

Details

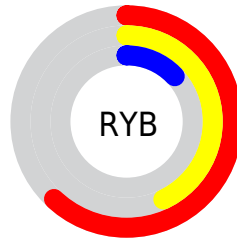
The Yxy color **13.2695, 0.5133, 0.3930** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.1828, 0.2048, 0.2320**, and the grayscale version is **12.4604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8634, 0.4661, 0.3869**, and **3.8544, 0.5796, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **11.8443, 0.5434, 0.3906**, and if you desaturate by 10%, it is **14.9488, 0.4808, 0.3907**.

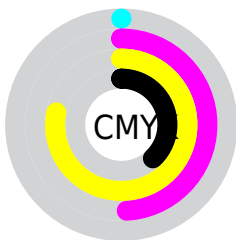
Distribution



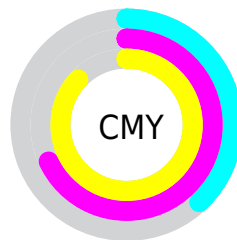
- Red (62%)
- Green (32%)
- Blue (13%)



- Red (62%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (49%)
- Yellow (78%)
- Black (38%)





- Cyan (38%)
- Magenta (68%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2695, 0.5133, 0.3930 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 13.2695, 0.5133, 0.3930 by changing the saturation by 10% instead.


 13.2695, 0.5133,
0.3930


 13.2695, 0.5133,
0.3930


212.6377, 0.3960,
0.3658


 7.6144, 0.5458,
0.3933


 31.7871, 0.4673,
0.3865


 3.8492, 0.6028,
0.3972

 45.4184, 0.4509,
0.3827

 1.5896, 0.6370,
0.3630

 62.4772, 0.4374,
0.3792

 0.3506, 0.7485,
0.2515

 83.3479, 0.4263,
0.3759


 0.0000, 0.0000,
0.0000

 108.4149, 0.4169,
0.3730


 138.0626, 0.4089,


0.3704

 172.6754, 0.4020,
0.3680

 13.2695, 0.5133,
0.3930


 13.2695, 0.5133,
0.3930


 11.8443, 0.5434,
0.3906


 14.9488, 0.4808,
0.3907


 10.6523, 0.5695,
0.3839

 16.8937, 0.4485,
0.3848

 10.4866, 0.5735,
0.3828

 19.1173, 0.4179,
0.3764

 21.6309, 0.3903,
0.3668

 24.4454, 0.3658,
0.3566

■ 27.5709, 0.3445,
0.3465

■ 31.0170, 0.3262,
0.3368

■ 34.7929, 0.3104,
0.3276

■ 38.9074, 0.2970,
0.3192

Harmonies

Analogous

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



13.2695, 0.4997, 0.3231



13.2695, 0.5133, 0.3930



13.2695, 0.4653, 0.4650

Triad

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



13.2695, 0.5133, 0.3930



13.2695, 0.2034, 0.4079



13.2695, 0.2204, 0.1832

Complementary

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



13.2695, 0.5133, 0.3930



14.1828, 0.2048, 0.2320

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.



13.2695, 0.1652, 0.1832



13.2695, 0.5133, 0.3930



13.2695, 0.1547, 0.2913

Square

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



13.2695, 0.5133, 0.3930



13.2695, 0.2867, 0.5069



13.2695, 0.1437, 0.2157



13.2695, 0.3108, 0.2101

Rectangle

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



13.2695, 0.5133, 0.3930



13.2695, 0.4122, 0.5056



13.2695, 0.1437, 0.2157



13.2695, 0.1980, 0.1800

Sweetspot

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



13.2702, 0.5133, 0.3930



46.5918, 0.3569, 0.3526



9.5966, 0.4040, 0.2199



10.0845, 0.3644, 0.3560



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.2702, 0.5133, 0.3930



19.8783, 0.5626, 0.3856



26.5719, 0.4288, 0.4750



7.0375, 0.3275, 0.3375



8.4705, 0.5720, 0.3840



0.2300, 0.5043, 0.4378

Inverse Universe

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



14.1828, 0.2048, 0.2320



21.3329, 0.1919, 0.2073



5.1388, 0.1736, 0.1116



7.0867, 0.2988, 0.3203



9.0701, 0.1896, 0.2026



0.2416, 0.2053, 0.2590

Previews

White Background



This preview shows how the Yxy color 13.2695, 0.5133, 0.3930 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 13.2695, 0.5133, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

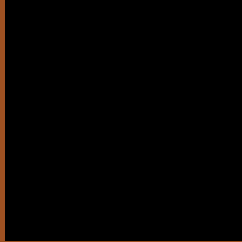
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2695, 0.5133, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 13.2695, 0.5133, 0.3930.



This preview shows how white text looks on a background with the Yxy color 13.2695, 0.5133, 0.3930.

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

13.2695, 0.5133, 0.3930

Protanopia

13.4311, 0.4118, 0.4543

Deuteranopia

13.3052, 0.4536, 0.4454



Tritanopia

13.2365, 0.4510, 0.3216

Trichromacy



Original Color

13.2695, 0.5133, 0.3930

Protanomaly

13.0702, 0.4496, 0.4306

Deuteranomaly

13.1565, 0.4773, 0.4242

Tritanomaly

13.1899, 0.4775, 0.3509

Monochromacy



Original Color

13.2695, 0.5133, 0.3930

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1554, 0.3854, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2695, 0.5133, 0.3930 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(158, 81, 34)` looks like.

```
.text, #text, p{  
    color:rgb(158, 81, 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(158, 81, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 81, 34) }
```

Border

The CSS property to change the border of an element to Yxy 13.2695, 0.5133, 0.3930 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(158, 81, 34) }
```

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

```
.border{ border-color:rgb(158, 81, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 81, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 81, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 81, 34);  
box-shadow:4px 4px 4px 4px rgb(158, 81,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2695, 0.5133, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 81, 34) }
```

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

```
.background{ background-color: rgb(158, 81,  
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](#).

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