

Converting Colors

$Y_{xy}(13.1196, 0.5106, 0.3996)$

Have a look what the booklet for
Yxy(13.1196, 0.5106, 0.3996)
contains.

Yxy(13.1021, 0.5113, 0.3991)	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(13.1021, 0.5113, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	9B521F
RGB	155, 82, 31
RGB Percent	61%, 32%, 12%
CMY	0.3921, 0.6785, 0.8784
CMYK	0.00, 0.47, 0.80, 0.39
HSL	25°, 67%, 36%
HSV	25°, 80%, 61%
XYZ	16.7855, 13.1021, 2.9415
YIQ	98.0130, 59.8790, -0.3850

Conversions

Conversions Part 2

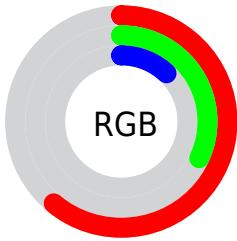
Format	Color
R_{YB}	155, 118, 31
Decimal	10179103
CIE _{Lab}	42.92, 26.57, 41.57
CIE _{LCh}	43, 49.336, 57.412
Yxy	13.1021, 0.5113, 0.3991
Android (android.graphics.Color)	4288369183 (0xFF9B521F)
YUV	98.0130, -33.0374, 49.9776
Hunter-Lab	36.1968, 19.4312, 20.5196

Details

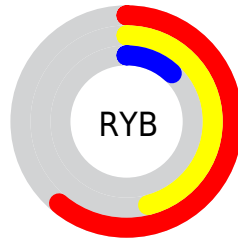
The Yxy color **13.1021, 0.5113, 0.3991** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5689, 0.2012, 0.2211**, and the grayscale version is **12.2905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3632, 0.4660, 0.3909**, and **3.7987, 0.5711, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **11.7534, 0.5394, 0.3966**, and if you desaturate by 10%, it is **14.6747, 0.4806, 0.3968**.

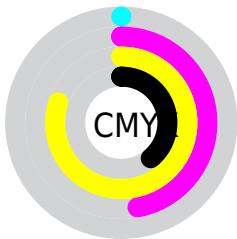
Distribution



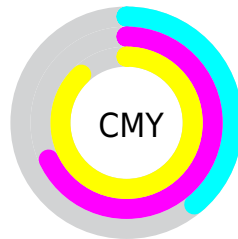
- Red (61%)
- Green (32%)
- Blue (12%)



- Red (61%)
- Yellow (46%)
- Blue (12%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (39%)





- Cyan (39%)
- Magenta (68%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1021, 0.5113, 0.3991 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 13.1021, 0.5113, 0.3991 by changing the saturation by 10% instead.


 13.1021, 0.5113,
0.3991

 13.1021, 0.5113,
0.3991


211.5710, 0.3955,
0.3684


 7.4989, 0.5430,
0.4002


 31.4871, 0.4660,
0.3913

 3.7760, 0.5964,
0.4036

 45.0377, 0.4498,
0.3870

 1.5491, 0.6292,
0.3708

 62.0061, 0.4365,
0.3831

 0.3229, 0.7485,
0.2515

 82.7769, 0.4255,
0.3795


 0.0000, 0.0000,
0.0000


 107.7344, 0.4162,
0.3762


 137.2630, 0.4082,

0.3733


 171.7470, 0.4014,
0.3707


 13.1021, 0.5113,
0.3991

 13.1021, 0.5113,
0.3991


 11.7534, 0.5394,
0.3966


 14.6747, 0.4806,
0.3968


 10.6072, 0.5643,
0.3902

 16.4810, 0.4496,
0.3906

 10.6065, 0.5643,
0.3902

 18.5323, 0.4200,
0.3818

 20.8385, 0.3928,
0.3715

 23.4089, 0.3685,
0.3605

■ 26.2522, 0.3472,
0.3496

■ 29.3767, 0.3287,
0.3390

■ 32.7904, 0.3127,
0.3290

■ 36.5007, 0.2989,
0.3197

Harmonies

Analogous

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



13.1021, 0.5037, 0.3288



13.1021, 0.5113, 0.3991



13.1021, 0.4593, 0.4708

Triad

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



13.1021, 0.5113, 0.3991



13.1021, 0.1977, 0.3974



13.1021, 0.2267, 0.1845

Complementary

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



13.1021, 0.5113, 0.3991



12.5689, 0.2012, 0.2211

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.



13.1021, 0.1685, 0.1821



13.1021, 0.5113, 0.3991



13.1021, 0.1524, 0.2830

Square

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



13.1021, 0.5113, 0.3991



13.1021, 0.2788, 0.5014



13.1021, 0.1443, 0.2114



13.1021, 0.3198, 0.2135

Rectangle

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



13.1021, 0.5113, 0.3991



13.1021, 0.4047, 0.5096



13.1021, 0.1443, 0.2114



13.1021, 0.2033, 0.1806

Sweetspot

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



13.1028, 0.5113, 0.3991



44.6613, 0.3564, 0.3544



8.9800, 0.4156, 0.2251



9.7291, 0.3636, 0.3581



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.



13.1028, 0.5113, 0.3991



19.4042, 0.5583, 0.3910



26.6011, 0.4254, 0.4808



6.6189, 0.3274, 0.3382



8.5883, 0.5628, 0.3913



0.1975, 0.4946, 0.4455

Inverse Universe

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



12.5689, 0.2012, 0.2211



18.1978, 0.1878, 0.1937



4.4169, 0.1702, 0.1021



6.6004, 0.2989, 0.3196



8.0260, 0.1866, 0.1916



0.1914, 0.2047, 0.2569

Previews

White Background



This preview shows how the Yxy color 13.1021, 0.5113, 0.3991 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 13.1021, 0.5113, 0.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

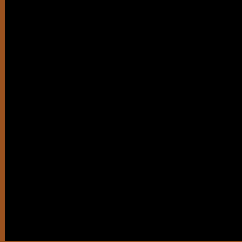
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1021, 0.5113, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 13.1021, 0.5113, 0.3991.



This preview shows how white text looks on a background with the Yxy color 13.1021, 0.5113, 0.3991.

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

13.1021, 0.5113, 0.3991

Protanopia

13.2075, 0.4170, 0.4586

Deuteranopia

13.2132, 0.4545, 0.4494



Tritanopia

13.0850, 0.4440, 0.3213

Trichromacy



Original Color

13.1021, 0.5113, 0.3991

Protanomaly

12.9670, 0.4522, 0.4365

Deuteranomaly

13.1414, 0.4755, 0.4305

Tritanomaly

13.0188, 0.4739, 0.3545

Monochromacy



Original Color

13.1021, 0.5113, 0.3991

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0706, 0.3853, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1021, 0.5113, 0.3991 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(155, 82, 31)` looks like.

```
.text, #text, p{  
    color:rgb(155, 82, 31)  
}
```

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(155, 82, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 82, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.1021, 0.5113, 0.3991 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(155, 82, 31) }
```

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

```
.border{ border-color:rgb(155, 82, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 82, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 82, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 82, 31);  
box-shadow:4px 4px 4px 4px rgb(155, 82,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1021, 0.5113, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 82, 31) }
```

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

```
.background{ background-color: rgb(155, 82,  
31) }
```

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