

Converting Colors

$Y_{xy}(10.8469, 0.5484, 0.3646)$

Have a look what the booklet for
Yxy(10.8469, 0.5484, 0.3646)
contains.

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Color

Yxy(10.8127, 0.5475, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	9F3D20
RGB	159, 61, 32
RGB Percent	62%, 24%, 13%
CMY	0.3765, 0.7608, 0.8744
CMYK	0.00, 0.62, 0.80, 0.38
HSL	14°, 66%, 37%
HSV	14°, 80%, 62%
XYZ	16.2279, 10.8127, 2.5994
YIQ	86.9960, 67.7170, 11.7570

Conversions

Conversions Part 2

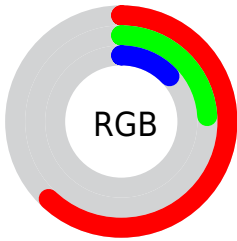
Format	Color
R_{YB}	159, 70, 32
Decimal	10435872
CIE Lab	39.26, 39.18, 37.69
CIE LCh	39, 54.366, 43.893
Yxy	10.8127, 0.5475, 0.3648
Android (android.graphics.Color)	4288625952 (0xFF9F3D20)
YUV	86.9960, -27.1130, 63.1475
Hunter-Lab	32.8827, 30.5469, 18.3309

Details

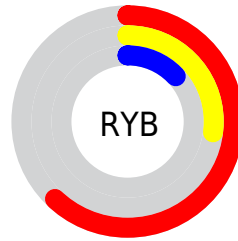
The Yxy color **10.8127, 0.5475, 0.3648** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.7798, 0.2142, 0.2711**, and the grayscale version is **9.5794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1985, 0.4909, 0.3669**, and **2.8535, 0.6343, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **9.5832, 0.5821, 0.3604**, and if you desaturate by 10%, it is **12.3850, 0.5085, 0.3655**.

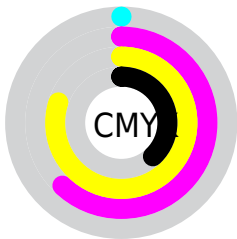
Distribution



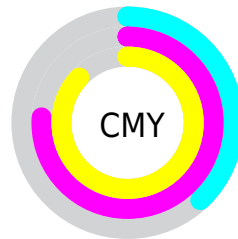
- Red (62%)
- Green (24%)
- Blue (13%)



- Red (62%)
- Yellow (27%)
- Blue (13%)



- Cyan (0%)
- Magenta (62%)
- Yellow (80%)
- Black (38%)




- Cyan (38%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8127, 0.5475, 0.3648 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 10.8127, 0.5475, 0.3648 by changing the saturation by 10% instead.


 10.8127, 0.5475,
0.3648


 10.8127, 0.5475,
0.3648


196.3780, 0.4061,
0.3562


 5.9410, 0.5886,
0.3577

 27.3133, 0.4907,
0.3667

 2.8093, 0.6541,
0.3459

 39.7110, 0.4708,
0.3655


 1.0330, 0.7050,
0.2950

 55.3862, 0.4547,
0.3640

 0.0000, 1.0000,
0.0000

 74.7233, 0.4415,
0.3623

 0.0000, 0.0000,
0.0000


 98.1066, 0.4304,
0.3606


 125.9205, 0.4211,


0.3590


 158.5496, 0.4131,
0.3575


 10.8127, 0.5475,
0.3648


 10.8127, 0.5475,
0.3648

 9.5832, 0.5821,
0.3604


 12.3850, 0.5085,
0.3655


 8.6615, 0.6101,
0.3536

 14.3223, 0.4693,
0.3631

 8.6507, 0.6104,
0.3535

 16.6470, 0.4327,
0.3586

 19.3790, 0.4002,
0.3529

 22.5371, 0.3723,
0.3467

■ 26.1385, 0.3487,
0.3405

■ 30.1996, 0.3290,
0.3345

■ 34.7362, 0.3125,
0.3289

■ 39.7629, 0.2988,
0.3238

Harmonies

Analogous

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



10.8127, 0.5048, 0.2913



10.8127, 0.5475, 0.3648



10.8127, 0.5094, 0.4458

Triad

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



10.8127, 0.5475, 0.3648



10.8127, 0.2152, 0.4758



10.8127, 0.1799, 0.1613

Complementary

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



10.8127, 0.5475, 0.3648



18.7798, 0.2142, 0.2711

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.



10.8127, 0.1342, 0.1718



10.8127, 0.5475, 0.3648



10.8127, 0.1471, 0.3280

Square

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



10.8127, 0.5475, 0.3648



10.8127, 0.3169, 0.5589



10.8127, 0.1228, 0.2215



10.8127, 0.2667, 0.1806

Rectangle

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



10.8127, 0.5475, 0.3648



10.8127, 0.4549, 0.5015



10.8127, 0.1228, 0.2215



10.8127, 0.1605, 0.1612

Sweetspot

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



10.8133, 0.5475, 0.3648



43.7481, 0.3590, 0.3433



10.0570, 0.3672, 0.1949



9.3810, 0.3672, 0.3454



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.



10.8133, 0.5475, 0.3648



15.8131, 0.6038, 0.3543



21.6469, 0.4538, 0.4538



6.8797, 0.3279, 0.3342



6.8873, 0.6090, 0.3547



0.1799, 0.5428, 0.4072

Inverse Universe

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



18.7798, 0.2142, 0.2711



30.1265, 0.2051, 0.2564



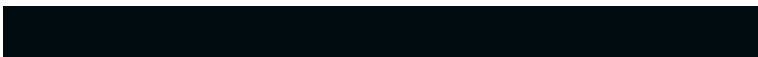
6.9444, 0.1801, 0.1402



7.2525, 0.2988, 0.3238



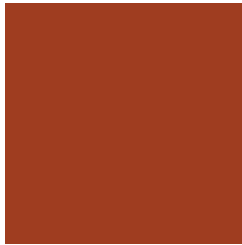
13.1729, 0.2042, 0.2552



0.2937, 0.2133, 0.2880

Previews

White Background



This preview shows how the Yxy color 10.8127, 0.5475, 0.3648 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 10.8127, 0.5475, 0.3648 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 10.8127, 0.5475, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 10.8127, 0.5475, 0.3648.



This preview shows how white text looks on a background with the Yxy color 10.8127, 0.5475, 0.3648.

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

10.8127, 0.5475, 0.3648

Protanopia

10.9319, 0.4069, 0.4438

Deuteranopia

10.9926, 0.4526, 0.4493



Tritanopia

10.8366, 0.5060, 0.3254

Trichromacy



Original Color

10.8127, 0.5475, 0.3648

Protanomaly

10.3099, 0.4618, 0.4103

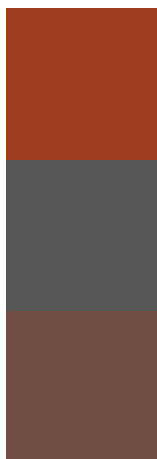
Deuteranomaly

10.5766, 0.4905, 0.4147

Tritanomaly

10.8318, 0.5248, 0.3417

Monochromacy



Original Color

10.8127, 0.5475, 0.3648

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.3647, 0.3984, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8127, 0.5475, 0.3648 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(159, 61, 32)` looks like.

```
.text, #text, p{  
    color:rgb(159, 61, 32)  
}
```

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(159, 61, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 61, 32) }
```

Border

The CSS property to change the border of an element to Yxy 10.8127, 0.5475, 0.3648 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(159, 61, 32) }
```

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

```
.border{ border-color:rgb(159, 61, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 61, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 61, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 61, 32);  
box-shadow:4px 4px 4px 4px rgb(159, 61,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8127, 0.5475, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 61, 32) }
```

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

```
.background{ background-color: rgb(159, 61,  
32) }
```

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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