

Converting Colors

$Y_{xy}(13.2703, 0.5229, 0.3768)$

Have a look what the booklet for
Yxy(13.2703, 0.5229, 0.3768)
contains.

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Color

Yxy(13.3147, 0.5232, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	A54C27
RGB	165, 76, 39
RGB Percent	65%, 30%, 15%
CMY	0.3529, 0.7020, 0.8471
CMYK	0.00, 0.54, 0.76, 0.35
HSL	18°, 62%, 40%
HSV	18°, 76%, 65%
XYZ	18.4683, 13.3147, 3.5158
YIQ	98.3930, 64.9210, 7.3610

Conversions

Conversions Part 2

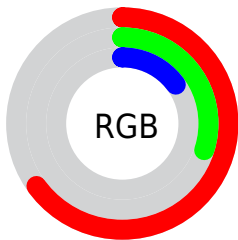
Format	Color
RYB	165, 91, 39
Decimal	10832935
CIELab	43.23, 34.28, 38.44
CIElCh	43, 51.507, 48.271
Yxy	13.3147, 0.5232, 0.3772
Android (android.graphics.Color)	4289023015 (0xFFA54C27)
YUV	98.3930, -29.2807, 58.4143
Hunter-Lab	36.4893, 26.4878, 19.8299

Details

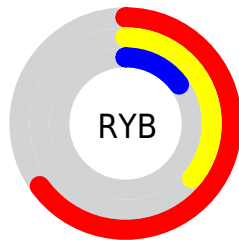
The Yxy color **13.3147, 0.5232, 0.3772** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.5861, 0.2122, 0.2570**, and the grayscale version is **12.3800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8582, 0.4743, 0.3748**, and **3.8646, 0.6010, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **11.7658, 0.5577, 0.3745**, and if you desaturate by 10%, it is **15.2037, 0.4864, 0.3758**.

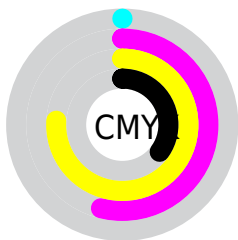
Distribution



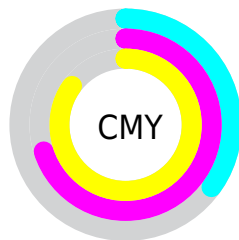
- Red (65%)
- Green (30%)
- Blue (15%)



- Red (65%)
- Yellow (36%)
- Blue (15%)



- Cyan (0%)
- Magenta (54%)
- Yellow (76%)
- Black (35%)





- Cyan (35%)
- Magenta (70%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3147, 0.5232, 0.3772 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 13.3147, 0.5232, 0.3772 by changing the saturation by 10% instead.


 13.3147, 0.5232,
0.3772


 13.3147, 0.5232,
0.3772


212.9248, 0.3994,
0.3596


 7.6456, 0.5583,
0.3748


 31.8680, 0.4742,
0.3745


 3.8690, 0.6164,
0.3727

 45.5210, 0.4569,
0.3721


 1.6006, 0.6618,
0.3382

 62.6041, 0.4428,
0.3696

 0.3580, 0.7737,
0.2263

 83.5017, 0.4311,
0.3673

 0.0000, 1.0000,
0.0000

 108.5982, 0.4212,
0.3651

 0.0000, 0.0000,
0.0000

 138.2779, 0.4129,

0.3631

172.9253, 0.4057,
0.3613

13.3147, 0.5232,
0.3772

13.3147, 0.5232,
0.3772

11.7658, 0.5577,
0.3745

15.2037, 0.4864,
0.3758

10.5312, 0.5865,
0.3675

17.4505, 0.4505,
0.3712

10.1513, 0.5963,
0.3648

20.0742, 0.4174,
0.3646

23.0917, 0.3880,
0.3569

26.5190, 0.3627,
0.3489

■ 30.3710, 0.3411,
0.3411

■ 34.6619, 0.3228,
0.3335

■ 39.4052, 0.3074,
0.3265

■ 44.6138, 0.2944,
0.3200

Harmonies

Analogous

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



13.3147, 0.4936, 0.3070



13.3147, 0.5232, 0.3772



13.3147, 0.4844, 0.4518

Triad

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



13.3147, 0.5232, 0.3772



13.3147, 0.2156, 0.4389



13.3147, 0.2017, 0.1765

Complementary

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



13.3147, 0.5232, 0.3772



18.5861, 0.2122, 0.2570

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.



13.3147, 0.1533, 0.1829



13.3147, 0.5232, 0.3772



13.3147, 0.1573, 0.3131

Square

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



13.3147, 0.5232, 0.3772



13.3147, 0.3063, 0.5258



13.3147, 0.1384, 0.2244



13.3147, 0.2871, 0.1983

Rectangle

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



13.3147, 0.5232, 0.3772



13.3147, 0.4335, 0.4983



13.3147, 0.1384, 0.2244



13.3147, 0.1816, 0.1753

Sweetspot

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



13.3154, 0.5232, 0.3772



49.4421, 0.3559, 0.3466



11.0437, 0.3801, 0.2076



10.3120, 0.3638, 0.3493



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.



13.3154, 0.5232, 0.3772



19.4005, 0.5794, 0.3696



26.2379, 0.4386, 0.4616



7.4092, 0.3278, 0.3357



7.7566, 0.5945, 0.3662



0.2410, 0.5279, 0.4190

Inverse Universe

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



18.5861, 0.2122, 0.2570



28.8726, 0.2007, 0.2381



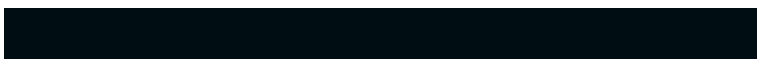
7.0795, 0.1806, 0.1332



7.6582, 0.2987, 0.3222



11.6890, 0.1979, 0.2324



0.3211, 0.2088, 0.2715

Previews

White Background



This preview shows how the Yxy color 13.3147, 0.5232, 0.3772 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 13.3147, 0.5232, 0.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

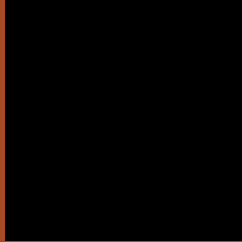
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3147, 0.5232, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 13.3147, 0.5232, 0.3772.



This preview shows how white text looks on a background with the Yxy color 13.3147, 0.5232, 0.3772.

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

13.3147, 0.5232, 0.3772

Protanopia

13.4831, 0.4043, 0.4431

Deuteranopia

13.5123, 0.4485, 0.4425



Tritanopia

13.3860, 0.4715, 0.3222

Trichromacy



Original Color

13.3147, 0.5232, 0.3772

Protanomaly

12.9971, 0.4502, 0.4167

Deuteranomaly

13.1845, 0.4777, 0.4167

Tritanomaly

13.2310, 0.4938, 0.3437

Monochromacy



Original Color

13.3147, 0.5232, 0.3772

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.9857, 0.3869, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3147, 0.5232, 0.3772 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(165, 76, 39)` looks like.

```
.text, #text, p{  
    color:rgb(165, 76, 39)  
}
```

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(165, 76, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 76, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.3147, 0.5232, 0.3772 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(165, 76, 39) }
```

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

```
.border{ border-color:rgb(165, 76, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 76, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 76, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 76, 39);  
box-shadow:4px 4px 4px 4px rgb(165, 76,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3147, 0.5232, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 76, 39) }
```

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

```
.background{ background-color: rgb(165, 76,  
39) }
```

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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