

Converting Colors

$Y_{xy}(12.8083, 0.5364, 0.3998)$

Have a look what the booklet for
Yxy(12.8083, 0.5364, 0.3998)
contains.

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Color

Yxy(12.8187, 0.5369, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	A04D10
RGB	160, 77, 16
RGB Percent	63%, 30%, 6%
CMY	0.3725, 0.6980, 0.9372
CMYK	0.00, 0.52, 0.90, 0.37
HSL	25°, 82%, 35%
HSV	25°, 90%, 63%
XYZ	17.2447, 12.8187, 2.0556
YIQ	94.8630, 69.0490, -1.3750

Conversions

Conversions Part 2

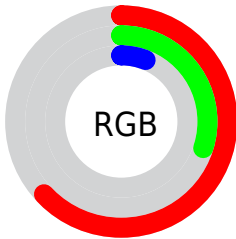
Format	Color
RYB	160, 122, 16
Decimal	10505488
CIELab	42.49, 30.95, 47.59
CIELCh	42, 56.768, 56.960
Yxy	12.8187, 0.5369, 0.3991
Android (android.graphics.Color)	4288695568 (0xFFA04D10)
YUV	94.8630, -38.8795, 57.1251
Hunter-Lab	35.8032, 23.3193, 21.6582

Details

The Yxy color **12.8187, 0.5369, 0.3991** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.5718, 0.1917, 0.2012**, and the grayscale version is **11.4922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7877, 0.4885, 0.3949**, and **3.7035, 0.5904, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **11.5816, 0.5611, 0.3926**, and if you desaturate by 10%, it is **14.2697, 0.5094, 0.4015**.

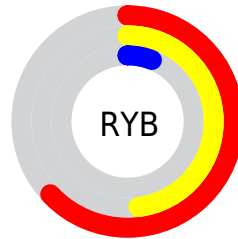
Distribution



Red (63%)

Green (30%)

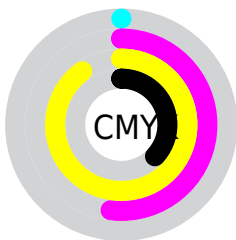
Blue (6%)



Red (63%)

Yellow (48%)

Blue (6%)

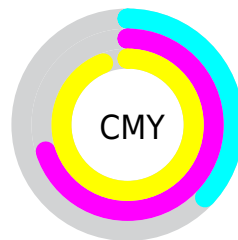


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (37%)



Cyan (37%)


Magenta (70%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8187, 0.5369, 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 12.8187, 0.5369, 0.3991 by changing the saturation by 10% instead.


 12.8187, 0.5369,
0.3991

 12.8187, 0.5369,
0.3991


209.7525, 0.4082,
0.3728


 7.3038, 0.5710,
0.3970


 30.9777, 0.4880,
0.3948


 3.6528, 0.6136,
0.3864

 44.3906, 0.4700,
0.3913

 1.4813, 0.6510,
0.3490

 61.2049, 0.4550,
0.3876

 0.2755, 0.7889,
0.2111

 81.8052, 0.4425,
0.3841


 0.0000, 0.0000,
0.0000

 106.5756, 0.4319,
0.3809


 135.9007, 0.4229,


0.3779


 170.1649, 0.4150,
0.3752


 12.8187, 0.5369,
0.3991


 12.8187, 0.5369,
0.3991

 11.5816, 0.5611,
0.3926


 14.2697, 0.5094,
0.4015

 11.5813, 0.5611,
0.3926

 15.9525, 0.4793,
0.3990

 17.8799, 0.4488,
0.3926

 20.0632, 0.4195,
0.3835

 22.5125, 0.3926,
0.3728

■ 25.2374, 0.3685,
0.3616

■ 28.2470, 0.3472,
0.3503

■ 31.5499, 0.3287,
0.3393

■ 35.1542, 0.3127,
0.3290

Harmonies

Analogous

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



12.8187, 0.5316, 0.3231



12.8187, 0.5369, 0.3991



12.8187, 0.4744, 0.4816

Triad

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



12.8187, 0.5369, 0.3991



12.8187, 0.1817, 0.4104



12.8187, 0.2135, 0.1678

Complementary

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



12.8187, 0.5369, 0.3991



11.5718, 0.1917, 0.2012

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.



12.8187, 0.1511, 0.1648



12.8187, 0.5369, 0.3991



12.8187, 0.1334, 0.2748

Square

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



12.8187, 0.5369, 0.3991



12.8187, 0.2714, 0.5348



12.8187, 0.1255, 0.1956



12.8187, 0.3176, 0.1989

Rectangle

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



12.8187, 0.5369, 0.3991



12.8187, 0.4118, 0.5313



12.8187, 0.1255, 0.1956



12.8187, 0.1881, 0.1635

Sweetspot

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



12.8194, 0.5369, 0.3991



47.1287, 0.3629, 0.3587



8.7644, 0.4400, 0.2271



9.9713, 0.3700, 0.3623



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.



12.8194, 0.5369, 0.3991



20.6450, 0.5643, 0.3901



28.6910, 0.4299, 0.4898



7.0850, 0.3274, 0.3385



9.1055, 0.5596, 0.3939



0.2448, 0.4951, 0.4451

Inverse Universe

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



11.5718, 0.1917, 0.2012



18.1667, 0.1841, 0.1828



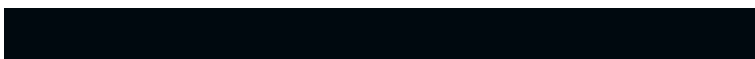
3.4789, 0.1585, 0.0790



7.0381, 0.2988, 0.3193



8.0580, 0.1853, 0.1870



0.2268, 0.2027, 0.2497

Previews

White Background



This preview shows how the Yxy color 12.8187, 0.5369, 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 12.8187, 0.5369, 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 12.8187, 0.5369, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 12.8187, 0.5369, 0.3991.



This preview shows how white text looks on a background with the Yxy color 12.8187, 0.5369, 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

12.8187, 0.5369, 0.3991

Protanopia

12.9427, 0.4297, 0.4738

Deuteranopia

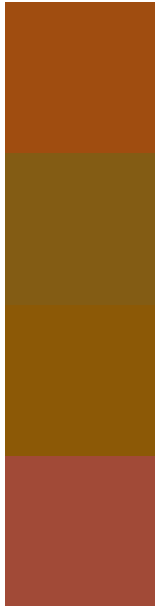
12.9549, 0.4698, 0.4652



Tritanopia

12.8519, 0.4647, 0.3218

Trichromacy



Original Color

12.8187, 0.5369, 0.3991

Protanomaly

12.5301, 0.4717, 0.4440

Deuteranomaly

12.7334, 0.4968, 0.4387

Tritanomaly

12.7505, 0.4993, 0.3569

Monochromacy



Original Color

12.8187, 0.5369, 0.3991

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2947, 0.4017, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8187, 0.5369, 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(160, 77, 16)` looks like.

```
.text, #text, p{  
    color:rgb(160, 77, 16)  
}
```

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(160, 77, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 77, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.8187, 0.5369, 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(160, 77, 16) }
```

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

```
.border{ border-color:rgb(160, 77, 16) }
```

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

Here you see how a box with a 4 pixel rgb(160, 77, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 77, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 77, 16);  
box-shadow:4px 4px 4px 4px rgb(160, 77,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8187, 0.5369, 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(160, 77, 16) }
```

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

```
.background{ background-color: rgb(160, 77,  
16) }
```

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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