

Converting Colors

$Y_{xy}(12.6032, 0.6190, 0.3413)$

Have a look what the booklet for
Yxy(12.6032, 0.6190, 0.3413)
contains.

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Color

Yxy(12.5746, 0.6195, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	C22108
RGB	194, 33, 8
RGB Percent	76%, 13%, 3%
CMY	0.2392, 0.8706, 0.9687
CMYK	0.00, 0.83, 0.96, 0.24
HSL	8°, 92%, 40%
HSV	8°, 96%, 76%
XYZ	22.8378, 12.5746, 1.4525
YIQ	78.2890, 103.9810, 26.3570

Conversions

Conversions Part 2

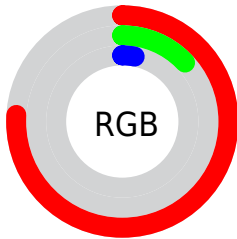
Format	Color
RYB	194, 37, 8
Decimal	12722440
CIELab	42.12, 60.35, 52.77
CIELCh	42, 80.162, 41.165
Yxy	12.5746, 0.6195, 0.3411
Android (android.graphics.Color)	4290912520 (0xFFC22108)
YUV	78.2890, -34.6525, 101.4785
Hunter-Lab	35.4607, 52.9033, 22.3940

Details

The Yxy color **12.5746, 0.6195, 0.3411** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.3211, 0.2138, 0.2876**, and the grayscale version is **7.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7602, 0.5535, 0.3571**, and **4.7458, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2133, 0.6284, 0.3393**, and if you desaturate by 10%, it is **13.8143, 0.5914, 0.3464**.

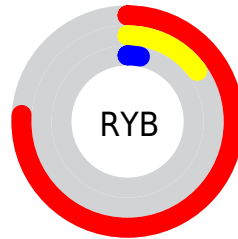
Distribution



Red (76%)

Green (13%)

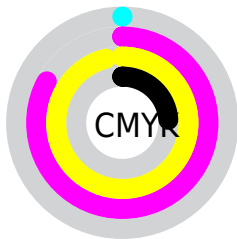
Blue (3%)



Red (76%)

Yellow (15%)

Blue (3%)

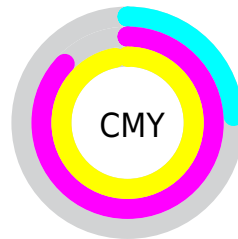


Cyan (0%)

Magenta (83%)

Yellow (96%)

Black (24%)



Cyan (24%)


Magenta (87%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5746, 0.6195, 0.3411 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 12.5746, 0.6195, 0.3411 by changing the saturation by 10% instead.

 12.5746, 0.6195,
0.3411


 12.5746, 0.6195,
0.3411


 208.1730, 0.4467,
0.3584


 7.1363, 0.6660,
0.3257


 30.5374, 0.5559,
0.3567


 3.5475, 0.7084,
0.2916

 43.8306, 0.5317,
0.3594

 1.4238, 0.7616,
0.2384

 60.5110, 0.5114,
0.3606

 0.2342, 0.8960,
0.1040

 80.9628, 0.4943,
0.3609


 0.0000, 1.0000,
0.0000

 105.5706, 0.4797,
0.3606

 0.0000, 0.0000,
0.0000


 134.7186, 0.4671,

0.3600


 168.7913, 0.4562,
0.3593


 12.5746, 0.6195,
0.3411


 12.5746, 0.6195,
0.3411


 12.2133, 0.6284,
0.3393

 13.8143, 0.5914,
0.3464

 15.6382, 0.5528,
0.3494

 18.1092, 0.5093,
0.3499

 21.2810, 0.4663,
0.3484

 25.2018, 0.4271,
0.3455

■ 29.9154, 0.3933,
0.3420

■ 35.4623, 0.3649,
0.3382

■ 41.8800, 0.3415,
0.3345

■ 49.2040, 0.3223,
0.3310

Harmonies

Analogous

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



12.5746, 0.5654, 0.2622



12.5746, 0.6195, 0.3411



12.5746, 0.5607, 0.4393

Triad

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



12.5746, 0.6195, 0.3411



12.5746, 0.1823, 0.5662



12.5746, 0.1367, 0.1201

Complementary

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



12.5746, 0.6195, 0.3411



32.3211, 0.2138, 0.2876

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.



12.5746, 0.0903, 0.1317



12.5746, 0.6195, 0.3411



12.5746, 0.1028, 0.3351

Square

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



12.5746, 0.6195, 0.3411



12.5746, 0.3044, 0.6512



12.5746, 0.0786, 0.1890



12.5746, 0.2354, 0.1396

Rectangle

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



12.5746, 0.6195, 0.3411



12.5746, 0.4824, 0.5176



12.5746, 0.0786, 0.1890



12.5746, 0.1165, 0.1202

Sweetspot

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



12.5754, 0.6195, 0.3411



60.4752, 0.3744, 0.3396



14.5161, 0.3560, 0.1751



12.2972, 0.3870, 0.3412



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.5754, 0.6195, 0.3411



21.9205, 0.6301, 0.3379



26.3582, 0.4968, 0.4405



10.2914, 0.3286, 0.3322



8.0995, 0.6268, 0.3405



0.4226, 0.5923, 0.3679

Inverse Universe

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



32.3211, 0.2138, 0.2876



57.4617, 0.2125, 0.2850



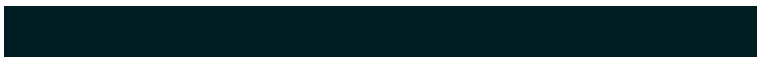
9.1419, 0.1687, 0.1240



11.1900, 0.2984, 0.3258



21.0401, 0.2129, 0.2864



0.9744, 0.2158, 0.2968

Previews

White Background



This preview shows how the Yxy color 12.5746, 0.6195, 0.3411 looks on a white background.

Color Contrast Check

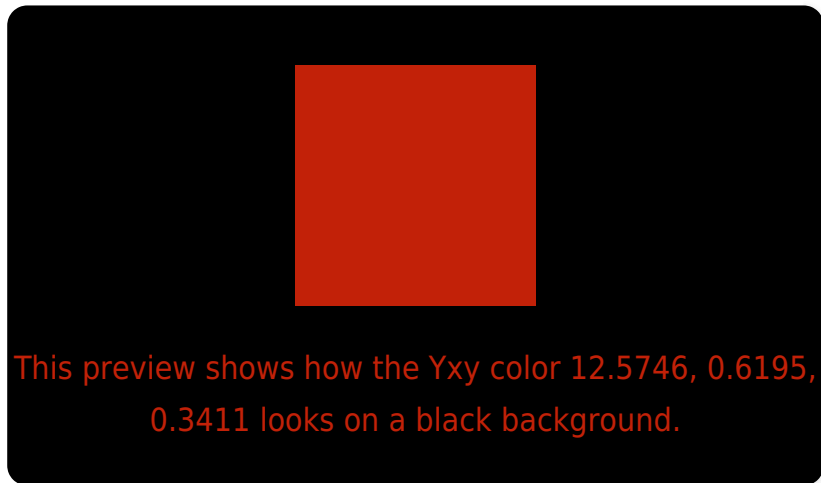
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

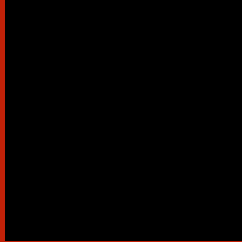
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5746, 0.6195, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 12.5746, 0.6195, 0.3411.



This preview shows how white text looks on a background with the Yxy color 12.5746, 0.6195, 0.3411.

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

12.5746, 0.6195, 0.3411

Protanopia

12.8927, 0.4253, 0.4706

Deuteranopia

12.8778, 0.4684, 0.4663



Tritanopia

12.5380, 0.6063, 0.3311

Trichromacy



Original Color

12.5746, 0.6195, 0.3411

Protanomaly

10.9667, 0.5166, 0.4088

Deuteranomaly

11.3510, 0.5417, 0.4055

Tritanomaly

12.5565, 0.6126, 0.3359

Monochromacy



Original Color

12.5746, 0.6195, 0.3411

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.6954, 0.4570, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5746, 0.6195, 0.3411 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(194, 33, 8)` looks like.

```
.text, #text, p{  
    color:rgb(194, 33, 8)  
}
```

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(194, 33, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 33, 8) }
```

Border

The CSS property to change the border of an element to Yxy 12.5746, 0.6195, 0.3411 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(194, 33, 8) }
```

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

```
.border{ border-color:rgb(194, 33, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 33, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 33, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 33, 8);  
box-shadow:4px 4px 4px 4px rgb(194, 33, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5746, 0.6195, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 33, 8) }
```

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

```
.background{ background-color: rgb(194, 33,  
8) }
```

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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