

Converting Colors

$Y_{xy}(24.2420, 0.5478, 0.3984)$

Have a look what the booklet for
Yxy(24.2420, 0.5478, 0.3984)
contains.

Yxy(24.2810, 0.5482, 0.3981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(24.2810, 0.5482, 0.3981)$

Conversions

Conversions Part 1

Format	Color
Hex	D9660C
RGB	217, 102, 12
RGB Percent	85%, 40%, 5%
CMY	0.1490, 0.6000, 0.9526
CMYK	0.00, 0.53, 0.94, 0.15
HSL	26°, 89%, 45%
HSV	26°, 94%, 85%
XYZ	33.4359, 24.2810, 3.2753
YIQ	126.1250, 97.4300, -3.6100

Conversions

Conversions Part 2

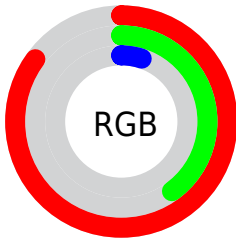
Format	Color
RYB	217, 172, 12
Decimal	14247436
CIELab	56.37, 41.03, 62.57
CIELCh	56, 74.825, 56.746
Yxy	24.2810, 0.5482, 0.3981
Android (android.graphics.Color)	4292437516 (0xFFD9660C)
YUV	126.1250, -56.2636, 79.6974
Hunter-Lab	49.2758, 34.8881, 30.5521

Details

The Yxy color **24.2810, 0.5482, 0.3981** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.2969, 0.1859, 0.1861**, and the grayscale version is **21.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1576, 0.4870, 0.4065**, and **9.3362, 0.5865, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **22.9749, 0.5603, 0.3933**, and if you desaturate by 10%, it is **26.9425, 0.5235, 0.4037**.

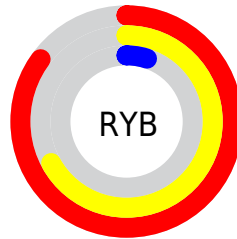
Distribution



Red (85%)

Green (40%)

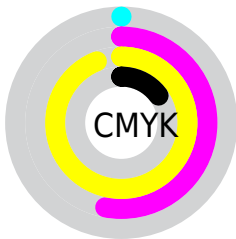
Blue (5%)



Red (85%)

Yellow (67%)

Blue (5%)

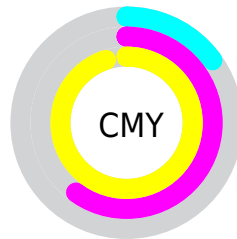


Cyan (0%)

Magenta (53%)

Yellow (94%)

Black (15%)



Cyan (15%)


Magenta (60%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2810, 0.5482, 0.3981 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 24.2810, 0.5482, 0.3981 by changing the saturation by 10% instead.


 24.2810, 0.5482,
0.3981


 24.2810, 0.5482,
0.3981


274.2381, 0.4276,
0.3792


 15.5422, 0.5741,
0.3945


 50.4884, 0.5064,
0.3969

 9.2008, 0.6105,
0.3891


 68.7257, 0.4898,
0.3947

 4.8724, 0.6358,
0.3642

 90.8980, 0.4755,
0.3920

 2.1726, 0.6732,
0.3268

 117.3897, 0.4632,
0.3893

 0.7050, 0.7369,
0.2631

 148.5852, 0.4525,
0.3866

 0.0000, 1.0000,
0.0000

 184.8688, 0.4431,

 0.0000, 0.0000,

0.3839

0.0000

226.6250, 0.4349,
0.3815

24.2810, 0.5482,
0.3981

24.2810, 0.5482,
0.3981

22.9749, 0.5603,
0.3933

26.9425, 0.5235,
0.4037

30.0475, 0.4949,
0.4038

33.6239, 0.4645,
0.3991

37.6952, 0.4344,
0.3909

42.2828, 0.4060,
0.3804

■ 47.4066, 0.3801,
0.3687

■ 53.0851, 0.3572,
0.3568

■ 59.3360, 0.3371,
0.3450

■ 66.1761, 0.3196,
0.3337

Harmonies

Analogous

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



24.2810, 0.5444, 0.3200



24.2810, 0.5482, 0.3981



24.2810, 0.4805, 0.4854

Triad

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



24.2810, 0.5482, 0.3981



24.2810, 0.1742, 0.4168



24.2810, 0.2073, 0.1604

Complementary

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



24.2810, 0.5482, 0.3981



20.2969, 0.1859, 0.1861

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.



24.2810, 0.1434, 0.1572



24.2810, 0.5482, 0.3981



24.2810, 0.1249, 0.2709

Square

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



24.2810, 0.5482, 0.3981



24.2810, 0.2676, 0.5510



24.2810, 0.1173, 0.1884



24.2810, 0.3163, 0.1923

Rectangle

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



24.2810, 0.5482, 0.3981



24.2810, 0.4143, 0.5403



24.2810, 0.1173, 0.1884



24.2810, 0.1812, 0.1560

Sweetspot

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



24.2823, 0.5482, 0.3981



73.2663, 0.3656, 0.3613



16.5829, 0.4586, 0.2328



14.9270, 0.3757, 0.3666



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.



24.2823, 0.5482, 0.3981



32.8203, 0.5618, 0.3921



57.6573, 0.4298, 0.4944



13.9868, 0.3281, 0.3393



14.1089, 0.5578, 0.3953



1.0837, 0.5297, 0.4176

Inverse Universe

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



20.2969, 0.1859, 0.1861



26.9031, 0.1821, 0.1757



5.8174, 0.1535, 0.0685



13.8236, 0.2982, 0.3185



11.6425, 0.1832, 0.1794



0.9248, 0.1906, 0.2061

Previews

White Background



This preview shows how the Yxy color 24.2810, 0.5482, 0.3981 looks on a white 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

Black Background



This preview shows how the Yxy color 24.2810, 0.5482, 0.3981 looks on a black 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

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

Yxy 24.2810, 0.5482, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 24.2810, 0.5482, 0.3981.



This preview shows how white text looks on a background with the Yxy color 24.2810, 0.5482, 0.3981.

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

24.2810, 0.5482, 0.3981

Protanopia

24.4425, 0.4341, 0.4802

Deuteranopia

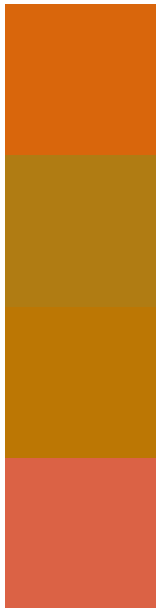
24.3584, 0.4703, 0.4648



Tritanopia

24.3396, 0.4768, 0.3228

Trichromacy



Original Color

24.2810, 0.5482, 0.3981

Protanomaly

23.6924, 0.4780, 0.4489

Deuteranomaly

23.8938, 0.5016, 0.4381

Tritanomaly

24.2251, 0.5145, 0.3596

Monochromacy



Original Color

24.2810, 0.5482, 0.3981

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7494, 0.4094, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2810, 0.5482, 0.3981 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(217, 102, 12)` looks like.

```
.text, #text, p{  
    color:rgb(217, 102, 12)  
}
```

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(217, 102, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 102, 12) }
```

Border

The CSS property to change the border of an element to Yxy 24.2810, 0.5482, 0.3981 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(217, 102, 12) }
```

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

```
.border{ border-color:rgb(217, 102, 12) }
```

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

Here you see how a box with a 4 pixel rgb(217, 102, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 102, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 102, 12);  
box-shadow:4px 4px 4px 4px rgb(217, 102,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2810, 0.5482, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 102, 12) }
```

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

```
.background{ background-color: rgb(217,  
102, 12) }
```

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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