

Converting Colors

$Y_{xy}(21.8258, 0.5548, 0.3977)$

Have a look what the booklet for
Yxy(21.8258, 0.5548, 0.3977)
contains.

Yxy(21.7397, 0.5553, 0.3973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7397, 0.5553, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	D15F00
RGB	209, 95, 0
RGB Percent	82%, 37%, 0%
CMY	0.1804, 0.6274, 1.0000
CMYK	0.00, 0.55, 1.00, 0.18
HSL	27°, 100%, 41%
HSV	27°, 100%, 82%
XYZ	30.3852, 21.7397, 2.5937
YIQ	118.2560, 98.4390, -5.3770

Conversions

Conversions Part 2

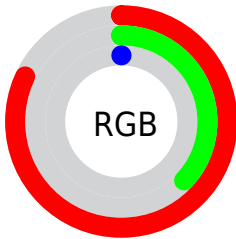
Format	Color
R_{YB}	209, 174, 0
Decimal	13721344
CIE Lab	53.75, 41.24, 62.71
CIE LCh	54, 75.056, 56.672
Yxy	21.7397, 0.5553, 0.3973
Android (android.graphics.Color)	4291911424 (0xFFD15F00)
YUV	118.2560, -58.3002, 79.5825
Hunter-Lab	46.6259, 34.7300, 29.3400

Details

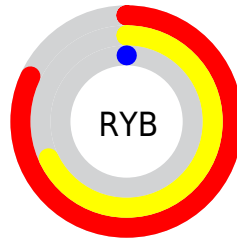
The Yxy color **21.7397, 0.5553, 0.3973** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.6333, 0.1811, 0.1719**, and the grayscale version is **18.3662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8100, 0.4982, 0.4043**, and **8.0044, 0.5932, 0.3672** is the 20% darker color. If you saturate the color by 10%, you get **21.7410, 0.5553, 0.3973**, and if you desaturate by 10%, it is **24.0010, 0.5333, 0.4048**.

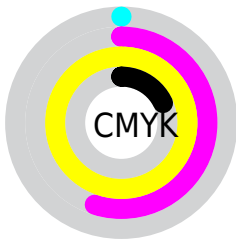
Distribution



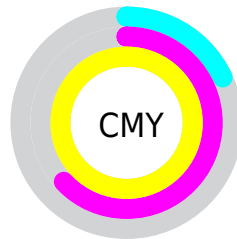
- Red (82%)
- Green (37%)
- Blue (0%)



- Red (82%)
- Yellow (68%)
- Blue (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (100%)
- Black (18%)



- Cyan (18%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7397, 0.5553, 0.3973 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 21.7397, 0.5553, 0.3973 by changing the saturation by 10% instead.


 21.7397, 0.5553,
0.3973


 21.7397, 0.5553,
0.3973


261.1839, 0.4298,
0.3798

 13.6658, 0.5822,
0.3923


 46.3154, 0.5117,
0.3973


 7.8886, 0.6170,
0.3830


 63.5860, 0.4944,
0.3952


 4.0237, 0.6448,
0.3552

 84.6908, 0.4796,
0.3927

 1.6868, 0.6869,
0.3131

 110.0144, 0.4667,
0.3899

 0.4151, 0.7871,
0.2129

 139.9411, 0.4556,
0.3872


 0.0000, 1.0000,
0.0000

 174.8554, 0.4459,

 0.0000, 0.0000,


0.3846


0.0000


 215.1415, 0.4373,
0.3821


 21.7397, 0.5553,
0.3973


 21.7397, 0.5553,
0.3973


 21.7410, 0.5553,
0.3973

 24.0010, 0.5333,
0.4048

 26.6319, 0.5074,
0.4075

 29.6648, 0.4786,
0.4049

 33.1215, 0.4489,
0.3981

 37.0213, 0.4201,
0.3883

■ 41.3821, 0.3933,
0.3768

■ 46.2206, 0.3691,
0.3646

■ 51.5524, 0.3477,
0.3522

■ 57.3925, 0.3290,
0.3403

Harmonies

Analogous

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



21.7397, 0.5529, 0.3179



21.7397, 0.5553, 0.3973



21.7397, 0.4839, 0.4876

Triad

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



21.7397, 0.5553, 0.3973



21.7397, 0.1692, 0.4207



21.7397, 0.2035, 0.1557

Complementary

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



21.7397, 0.5553, 0.3973



16.6333, 0.1811, 0.1719

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.



21.7397, 0.1386, 0.1523



21.7397, 0.5553, 0.3973



21.7397, 0.1195, 0.2681

Square

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



21.7397, 0.5553, 0.3973



21.7397, 0.2647, 0.5618



21.7397, 0.1121, 0.1836



21.7397, 0.3157, 0.1882

Rectangle

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



21.7397, 0.5553, 0.3973



21.7397, 0.4153, 0.5461



21.7397, 0.1121, 0.1836



21.7397, 0.1769, 0.1512

Sweetspot

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



21.7410, 0.5553, 0.3973



72.2232, 0.3699, 0.3650



14.7909, 0.4764, 0.2398



14.7485, 0.3799, 0.3703



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.



21.7410, 0.5553, 0.3973



33.7343, 0.5571, 0.3958



54.1914, 0.4284, 0.4981



12.6809, 0.3279, 0.3396



13.5976, 0.5529, 0.3992



0.9179, 0.5222, 0.4235

Inverse Universe

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



16.6333, 0.1811, 0.1719



25.7060, 0.1806, 0.1701



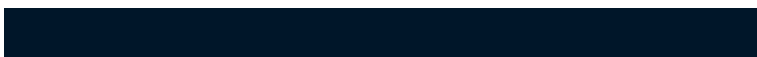
4.8300, 0.1508, 0.0627



12.4708, 0.2983, 0.3182



10.4558, 0.1818, 0.1743



0.7422, 0.1903, 0.2052

Previews

White Background



This preview shows how the Yxy color 21.7397, 0.5553, 0.3973 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 21.7397, 0.5553, 0.3973 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 21.7397, 0.5553, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 21.7397, 0.5553, 0.3973.



This preview shows how white text looks on a background with the Yxy color 21.7397, 0.5553, 0.3973.

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

21.7397, 0.5553, 0.3973

Protanopia

21.7673, 0.4347, 0.4816

Deuteranopia

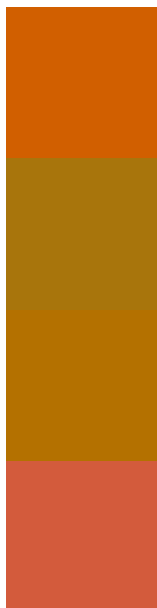
21.9524, 0.4700, 0.4650



Tritanopia

21.7846, 0.4837, 0.3226

Trichromacy



Original Color

21.7397, 0.5553, 0.3973

Protanomaly

21.0740, 0.4816, 0.4496

Deuteranomaly

21.5136, 0.5037, 0.4382

Tritanomaly

21.6573, 0.5248, 0.3617

Monochromacy



Original Color

21.7397, 0.5553, 0.3973

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2392, 0.4173, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7397, 0.5553, 0.3973 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(209, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 95, 0)  
}
```

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(209, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7397, 0.5553, 0.3973 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(209, 95, 0) }
```

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

```
.border{ border-color:rgb(209, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.7397, 0.5553, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 95, 0) }
```

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

```
.background{ background-color: rgb(209, 95,  
0) }
```

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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