

Converting Colors

$Y_{xy}(21.5541, 0.5653, 0.3804)$

Have a look what the booklet for
Yxy(21.5541, 0.5653, 0.3804)
contains.

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Color

Yxy(21.6151, 0.5654, 0.3802)

Conversions

Conversions Part 1

Format	Color
Hex	D95713
RGB	217, 87, 19
RGB Percent	85%, 34%, 7%
CMY	0.1490, 0.6588, 0.9256
CMYK	0.00, 0.60, 0.91, 0.15
HSL	21°, 84%, 46%
HSV	21°, 91%, 85%
XYZ	32.1441, 21.6151, 3.0927
YIQ	118.1180, 99.3080, 6.4120

Conversions

Conversions Part 2

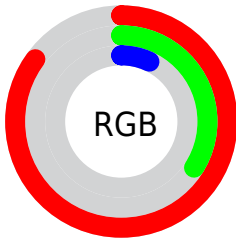
Format	Color
R_{YB}	217, 123, 19
Decimal	14243603
CIE _{Lab}	53.62, 48.29, 59.01
CIE _{LCh}	54, 76.245, 50.705
Yxy	21.6151, 0.5654, 0.3802
Android (android.graphics.Color)	4292433683 (0xFFD95713)
YUV	118.1180, -48.8652, 86.7195
Hunter-Lab	46.4920, 42.0518, 28.6003

Details

The Yxy color **21.6151, 0.5654, 0.3802** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **26.6414, 0.1966, 0.2225**, and the grayscale version is **18.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7908, 0.4987, 0.3915**, and **7.9030, 0.6141, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **19.7235, 0.5869, 0.3722**, and if you desaturate by 10%, it is **24.2662, 0.5353, 0.3856**.

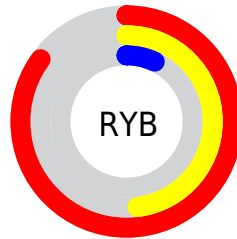
Distribution



Red (85%)

Green (34%)

Blue (7%)



Red (85%)

Yellow (48%)

Blue (7%)

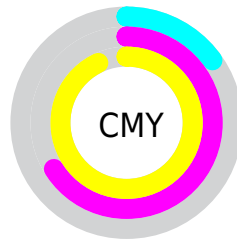


Cyan (0%)

Magenta (60%)

Yellow (91%)

Black (15%)



Cyan (15%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6151, 0.5654, 0.3802 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 21.6151, 0.5654, 0.3802 by changing the saturation by 10% instead.


 21.6151, 0.5654,
0.3802


 21.6151, 0.5654,
0.3802


260.5296, 0.4326,
0.3714


 13.5744, 0.5951,
0.3735


 46.1090, 0.5184,
0.3831


 7.8252, 0.6364,
0.3636


 63.3310, 0.5001,
0.3822


 3.9833, 0.6674,
0.3326


 84.3821, 0.4845,
0.3807

 1.6642, 0.7133,
0.2867

 109.6469, 0.4710,
0.3789

 0.4003, 0.8166,
0.1834

 139.5096, 0.4594,
0.3770

 0.0000, 1.0000,
0.0000


 174.3547, 0.4493,


 0.0000, 0.0000,


0.3750

0.0000

 214.5666, 0.4404,
0.3731


 21.6151, 0.5654,
0.3802


 21.6151, 0.5654,
0.3802


 19.7235, 0.5869,
0.3722

 24.2662, 0.5353,
0.3856

 27.4793, 0.5012,
0.3859

 31.2907, 0.4661,
0.3821

 35.7319, 0.4325,
0.3753

 40.8320, 0.4019,
0.3667

■ 46.6179, 0.3749,
0.3574

■ 53.1151, 0.3515,
0.3479

■ 60.3476, 0.3316,
0.3387

■ 68.3383, 0.3147,
0.3300

Harmonies

Analogous

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



21.6151, 0.5445, 0.3021



21.6151, 0.5654, 0.3802



21.6151, 0.5037, 0.4697

Triad

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



21.6151, 0.5654, 0.3802



21.6151, 0.1828, 0.4573



21.6151, 0.1852, 0.1506

Complementary

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



21.6151, 0.5654, 0.3802



26.6414, 0.1966, 0.2225

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.



21.6151, 0.1284, 0.1532



21.6151, 0.5654, 0.3802



21.6151, 0.1231, 0.2923

Square

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



21.6151, 0.5654, 0.3802



21.6151, 0.2856, 0.5796



21.6151, 0.1085, 0.1932



21.6151, 0.2892, 0.1776

Rectangle

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



21.6151, 0.5654, 0.3802



21.6151, 0.4373, 0.5319



21.6151, 0.1085, 0.1932



21.6151, 0.1615, 0.1480

Sweetspot

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



21.6163, 0.5654, 0.3802



70.8050, 0.3651, 0.3535



17.4531, 0.4163, 0.2110



14.4856, 0.3735, 0.3568



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.



21.6163, 0.5654, 0.3802



28.1715, 0.5885, 0.3709



49.0848, 0.4470, 0.4782



13.7791, 0.3283, 0.3371



12.1155, 0.5843, 0.3743



0.9422, 0.5527, 0.3993

Inverse Universe

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



26.6414, 0.1966, 0.2225



35.0098, 0.1917, 0.2101



7.6029, 0.1593, 0.0864



14.0373, 0.2982, 0.3208



15.0317, 0.1925, 0.2131



1.1319, 0.1984, 0.2342

Previews

White Background



This preview shows how the Yxy color 21.6151, 0.5654, 0.3802 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 21.6151, 0.5654, 0.3802 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 21.6151, 0.5654, 0.3802

Background



This preview shows how black text looks on a background with the Yxy color 21.6151, 0.5654, 0.3802.



This preview shows how white text looks on a background with the Yxy color 21.6151, 0.5654, 0.3802.

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

21.6151, 0.5654, 0.3802

Protanopia

21.8140, 0.4299, 0.4745

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6168, 0.5077, 0.3244

Trichromacy



Original Color

21.6151, 0.5654, 0.3802

Protanomaly

20.7671, 0.4838, 0.4368

Deuteranomaly

21.0199, 0.5110, 0.4290

Tritanomaly

21.4397, 0.5365, 0.3499

Monochromacy



Original Color

21.6151, 0.5654, 0.3802

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9946, 0.4146, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6151, 0.5654, 0.3802 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, 87, 19)` looks like.

```
.text, #text, p{  
    color:rgb(217, 87, 19)  
}
```

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, 87, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 87, 19) }
```

Border

The CSS property to change the border of an element to Yxy 21.6151, 0.5654, 0.3802 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, 87, 19) }
```

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

```
.border{ border-color:rgb(217, 87, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 87, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 87, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 87, 19);  
box-shadow:4px 4px 4px 4px rgb(217, 87,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6151, 0.5654, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 87, 19) }
```

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

```
.background{ background-color: rgb(217, 87,  
19) }
```

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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