

Converting Colors

$Y_{xy}(22.1765, 0.5589, 0.3723)$

Have a look what the booklet for
Yxy(22.1765, 0.5589, 0.3723)
contains.

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Color

Yxy(22.1534, 0.5585, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	DC5723
RGB	220, 87, 35
RGB Percent	86%, 34%, 14%
CMY	0.1373, 0.6587, 0.8630
CMYK	0.00, 0.60, 0.84, 0.14
HSL	17°, 73%, 50%
HSV	17°, 84%, 86%
XYZ	33.2242, 22.1534, 4.1106
YIQ	120.8390, 95.9600, 12.0240

Conversions

Conversions Part 2

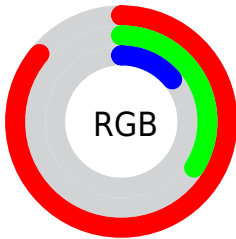
Format	Color
R_{YB}	220, 107, 35
Decimal	14440227
CIE _{Lab}	54.19, 49.68, 53.92
CIE _{LCh}	54, 73.316, 47.348
Yxy	22.1534, 0.5585, 0.3724
Android (android.graphics.Color)	4292630307 (0xFFDC5723)
YUV	120.8390, -42.3186, 86.9642
Hunter-Lab	47.0674, 43.6325, 27.7691

Details

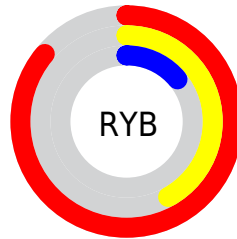
The Yxy color **22.1534, 0.5585, 0.3724** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **33.4977, 0.2062, 0.2503**, and the grayscale version is **19.1822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9656, 0.4893, 0.3825**, and **8.1481, 0.6163, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **19.7764, 0.5883, 0.3652**, and if you desaturate by 10%, it is **25.1752, 0.5226, 0.3750**.

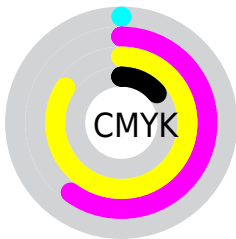
Distribution



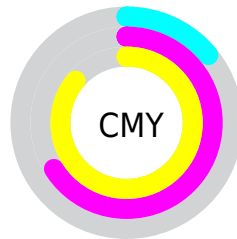
- Red (86%)
- Green (34%)
- Blue (14%)



- Red (86%)
- Yellow (42%)
- Blue (14%)



- Cyan (0%)
- Magenta (60%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (66%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1534, 0.5585, 0.3724 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 22.1534, 0.5585, 0.3724 by changing the saturation by 10% instead.


 22.1534, 0.5585,
0.3724


 22.1534, 0.5585,
0.3724

263.3463, 0.4275,
0.3652


 13.9697, 0.5892,
0.3665


 46.9994, 0.5112,
0.3750


 8.0996, 0.6288,
0.3558


 64.4305, 0.4931,
0.3743

 4.1587, 0.6694,
0.3306

 85.7127, 0.4778,
0.3730

 1.7627, 0.7149,
0.2851

 111.2306, 0.4647,
0.3715

 0.4638, 0.8072,
0.1928

 141.3685, 0.4535,
0.3699

 0.0000, 1.0000,
0.0000

 176.5109, 0.4437,

 0.0000, 0.0000,

0.3683

0.0000

217.0420, 0.4351,
0.3667

22.1534, 0.5585,
0.3724

22.1534, 0.5585,
0.3724

19.7764, 0.5883,
0.3652

25.1752, 0.5226,
0.3750

18.6494, 0.6025,
0.3598

28.8849, 0.4845,
0.3734

33.3258, 0.4476,
0.3688

38.5360, 0.4138,
0.3622

44.5511, 0.3842,
0.3546

■ 51.4041, 0.3588,
0.3468

■ 59.1263, 0.3373,
0.3391

■ 67.7472, 0.3193,
0.3318

■ 77.2949, 0.3041,
0.3251

Harmonies

Analogous

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



22.1534, 0.5260, 0.2964



22.1534, 0.5585, 0.3724



22.1534, 0.5081, 0.4578

Triad

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



22.1534, 0.5585, 0.3724



22.1534, 0.1983, 0.4687



22.1534, 0.1816, 0.1550

Complementary

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



22.1534, 0.5585, 0.3724



33.4977, 0.2062, 0.2503

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.



22.1534, 0.1303, 0.1615



22.1534, 0.5585, 0.3724



22.1534, 0.1339, 0.3102

Square

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



22.1534, 0.5585, 0.3724



22.1534, 0.3013, 0.5713



22.1534, 0.1146, 0.2064



22.1534, 0.2771, 0.1783

Rectangle

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



22.1534, 0.5585, 0.3724



22.1534, 0.4471, 0.5171



22.1534, 0.1146, 0.2064



22.1534, 0.1600, 0.1536

Sweetspot

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



22.1547, 0.5585, 0.3724



70.7268, 0.3613, 0.3476



19.3398, 0.3863, 0.1996



14.3930, 0.3700, 0.3504



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.



22.1547, 0.5585, 0.3724



25.8637, 0.6039, 0.3587



46.7058, 0.4531, 0.4652



13.6452, 0.3285, 0.3356



11.1096, 0.5998, 0.3619



0.8642, 0.5674, 0.3876

Inverse Universe

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



33.4977, 0.2062, 0.2503



41.1861, 0.1980, 0.2328



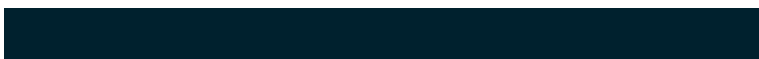
10.9894, 0.1697, 0.1141



14.1779, 0.2982, 0.3223



17.5996, 0.1987, 0.2352



1.2833, 0.2034, 0.2523

Previews

White Background



This preview shows how the Yxy color 22.1534, 0.5585, 0.3724 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 22.1534, 0.5585, 0.3724 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 22.1534, 0.5585, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 22.1534, 0.5585, 0.3724.



This preview shows how white text looks on a background with the Yxy color 22.1534, 0.5585, 0.3724.

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

22.1534, 0.5585, 0.3724

Protanopia

22.1823, 0.4186, 0.4608

Deuteranopia

22.1021, 0.4663, 0.4580



Tritanopia

22.2523, 0.5083, 0.3244

Trichromacy



Original Color

22.1534, 0.5585, 0.3724

Protanomaly

20.9725, 0.4744, 0.4243

Deuteranomaly

21.4082, 0.5044, 0.4234

Tritanomaly

22.1302, 0.5309, 0.3452

Monochromacy



Original Color

22.1534, 0.5585, 0.3724

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8436, 0.4061, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1534, 0.5585, 0.3724 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(220, 87, 35)` looks like.

```
.text, #text, p{  
    color:rgb(220, 87, 35)  
}
```

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(220, 87, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 87, 35) }
```

Border

The CSS property to change the border of an element to Yxy 22.1534, 0.5585, 0.3724 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(220, 87, 35) }
```

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

```
.border{ border-color:rgb(220, 87, 35) }
```

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

Here you see how a box with a 4 pixel rgb(220, 87, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 87, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 87, 35);  
box-shadow:4px 4px 4px 4px rgb(220, 87,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1534, 0.5585, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 87, 35) }
```

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

```
.background{ background-color: rgb(220, 87,  
35) }
```

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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