

Converting Colors

$Y_{xy}(22.0763, 0.5400, 0.3524)$

Have a look what the booklet for
Yxy(22.0763, 0.5400, 0.3524)
contains.

Yxy(22.0390, 0.5401, 0.3521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.0390, 0.5401, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	DD543C
RGB	221, 84, 60
RGB Percent	87%, 33%, 24%
CMY	0.1333, 0.6706, 0.7647
CMYK	0.00, 0.62, 0.73, 0.13
HSL	9°, 70%, 55%
HSV	9°, 73%, 87%
XYZ	33.8065, 22.0390, 6.7475
YIQ	122.2270, 89.3560, 21.5800

Conversions

Conversions Part 2

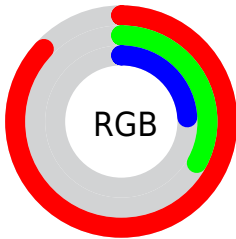
Format	Color
RYB	221, 88, 60
Decimal	14505020
CIELab	54.07, 52.24, 41.66
CIElCh	54, 66.821, 38.572
Yxy	22.0390, 0.5401, 0.3521
Android (android.graphics.Color)	4292695100 (0xFFDD543C)
YUV	122.2270, -30.6779, 86.6239
Hunter-Lab	46.9457, 46.3862, 24.3402

Details

The Yxy color **22.0390, 0.5401, 0.3521** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **46.1188, 0.2229, 0.2947**, and the grayscale version is **19.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8294, 0.4686, 0.3594**, and **8.0979, 0.6129, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **19.3154, 0.5805, 0.3496**, and if you desaturate by 10%, it is **25.6462, 0.4965, 0.3519**.

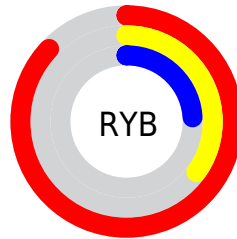
Distribution



Red (87%)

Green (33%)

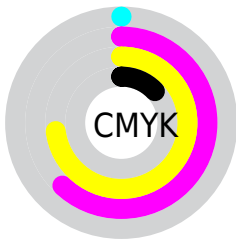
Blue (24%)



Red (87%)

Yellow (35%)

Blue (24%)

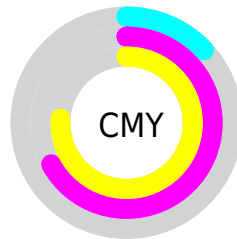


Cyan (0%)

Magenta (62%)

Yellow (73%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0390, 0.5401, 0.3521 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 22.0390, 0.5401, 0.3521 by changing the saturation by 10% instead.


 22.0390, 0.5401,
0.3521


 22.0390, 0.5401,
0.3521


262.7499, 0.4152,
0.3509


 13.8856, 0.5724,
0.3470


 46.8104, 0.4932,
0.3553


 8.0411, 0.6128,
0.3365


 64.1972, 0.4759,
0.3553

 4.1213, 0.6774,
0.3226

 85.4306, 0.4614,
0.3549

 1.7416, 0.7242,
0.2758

 110.8949, 0.4493,
0.3542

 0.4504, 0.8185,
0.1815

 140.9746, 0.4389,
0.3534

 0.0000, 1.0000,
0.0000

 176.0541, 0.4299,

 0.0000, 0.0000,

0.3526

0.0000

216.5177, 0.4221,
0.3518

■ 22.0390, 0.5401,
0.3521

■ 22.0390, 0.5401,
0.3521

■ 19.3154, 0.5805,
0.3496

■ 25.6462, 0.4965,
0.3519

■ 17.3944, 0.6119,
0.3444

■ 30.2013, 0.4544,
0.3497


■ 16.4576, 0.6274,
0.3401


■ 35.7669, 0.4167,
0.3463

■ 42.3988, 0.3845,
0.3422

■ 50.1491, 0.3576,
0.3380

 59.0663, 0.3354,
0.3339

 69.1959, 0.3173,
0.3300

 80.5811, 0.3024,
0.3265

 93.0087, 0.2923,
0.3272

Harmonies

Analogous

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



22.0390, 0.4831, 0.2808



22.0390, 0.5401, 0.3521



22.0390, 0.5163, 0.4302

Triad

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



22.0390, 0.5401, 0.3521



22.0390, 0.2345, 0.4929



22.0390, 0.1724, 0.1645

Complementary

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



22.0390, 0.5401, 0.3521



46.1188, 0.2229, 0.2947

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.



22.0390, 0.1336, 0.1810



22.0390, 0.5401, 0.3521



22.0390, 0.1599, 0.3528

Square

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



22.0390, 0.5401, 0.3521



22.0390, 0.3368, 0.5531



22.0390, 0.1284, 0.2389



22.0390, 0.2501, 0.1785

Rectangle

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



22.0390, 0.5401, 0.3521



22.0390, 0.4683, 0.4846



22.0390, 0.1284, 0.2389



22.0390, 0.1555, 0.1663

Sweetspot

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



22.0403, 0.5401, 0.3521



70.1313, 0.3559, 0.3377



22.7540, 0.3452, 0.1879



14.3439, 0.3627, 0.3389



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.



22.0403, 0.5401, 0.3521



25.2923, 0.5971, 0.3474



41.5305, 0.4581, 0.4368



13.3631, 0.3288, 0.3326



9.6618, 0.6254, 0.3416



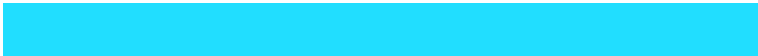
0.7270, 0.5980, 0.3634

Inverse Universe

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



46.1188, 0.2229, 0.2947



59.7536, 0.2150, 0.2868



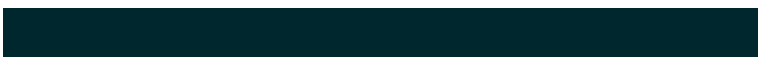
19.3844, 0.1923, 0.1732



14.4816, 0.2982, 0.3254



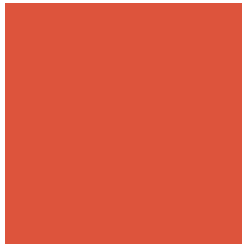
24.0733, 0.2115, 0.2812



1.6514, 0.2138, 0.2898

Previews

White Background



This preview shows how the Yxy color 22.0390, 0.5401, 0.3521 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 22.0390, 0.5401, 0.3521 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 22.0390, 0.5401, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 22.0390, 0.5401, 0.3521.



This preview shows how white text looks on a background with the Yxy color 22.0390, 0.5401, 0.3521.

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

22.0390, 0.5401, 0.3521

Protanopia

22.2240, 0.3887, 0.4233

Deuteranopia

21.9820, 0.4426, 0.4348



Tritanopia

22.0863, 0.5105, 0.3245

Trichromacy



Original Color

22.0390, 0.5401, 0.3521

Protanomaly

20.9104, 0.4467, 0.3924

Deuteranomaly

21.2709, 0.4826, 0.4000

Tritanomaly

22.1000, 0.5220, 0.3346

Monochromacy



Original Color

22.0390, 0.5401, 0.3521

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8951, 0.3954, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0390, 0.5401, 0.3521 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(221, 84, 60)` looks like.

```
.text, #text, p{  
    color:rgb(221, 84, 60)  
}
```

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(221, 84, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 84, 60) }
```

Border

The CSS property to change the border of an element to Yxy 22.0390, 0.5401, 0.3521 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(221, 84, 60) }
```

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

```
.border{ border-color:rgb(221, 84, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 84, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 84, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 84, 60);  
box-shadow:4px 4px 4px 4px rgb(221, 84,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0390, 0.5401, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 84, 60) }
```

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

```
.background{ background-color: rgb(221, 84,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor