

Converting Colors

$Y_{xy}(22.3151, 0.5403, 0.3523)$

Have a look what the booklet for
Yxy(22.3151, 0.5403, 0.3523)
contains.

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Color

Yxy(22.3528, 0.5399, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	DE553C
RGB	222, 85, 60
RGB Percent	87%, 33%, 24%
CMY	0.1294, 0.6666, 0.7649
CMYK	0.00, 0.62, 0.73, 0.13
HSL	9°, 71%, 55%
HSV	9°, 73%, 87%
XYZ	34.1878, 22.3528, 6.7818
YIQ	123.1130, 89.6770, 21.2690

Conversions

Conversions Part 2

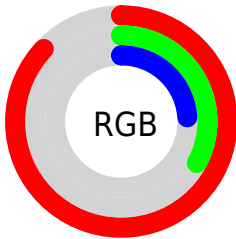
Format	Color
RYB	222, 90, 60
Decimal	14570812
CIELab	54.40, 52.14, 42.10
CIElCh	54, 67.016, 38.917
Yxy	22.3528, 0.5399, 0.3530
Android (android.graphics.Color)	4292760892 (0xFFDE553C)
YUV	123.1130, -31.1147, 86.7239
Hunter-Lab	47.2787, 46.3374, 24.5904

Details

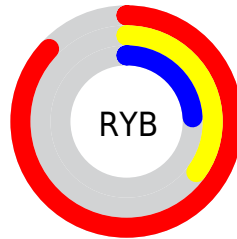
The Yxy color **22.3528, 0.5399, 0.3530** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **46.1434, 0.2225, 0.2933**, and the grayscale version is **19.9291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1203, 0.4679, 0.3604**, and **8.2441, 0.6123, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **19.5928, 0.5801, 0.3504**, and if you desaturate by 10%, it is **25.9973, 0.4965, 0.3528**.

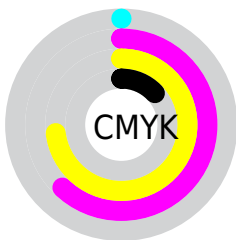
Distribution



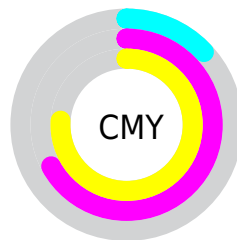
- Red (87%)
- Green (33%)
- Blue (24%)



- 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 22.3528, 0.5399, 0.3530 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 22.3528, 0.5399, 0.3530 by changing the saturation by 10% instead.


 22.3528, 0.5399,
0.3530


 22.3528, 0.5399,
0.3530


264.3832, 0.4154,
0.3514


 14.1164, 0.5719,
0.3480


 47.3284, 0.4932,
0.3560


 8.2016, 0.6120,
0.3377


 64.8364, 0.4760,
0.3560


 4.2242, 0.6759,
0.3241

 86.2036, 0.4616,
0.3555

 1.7998, 0.7220,
0.2780

 111.8146, 0.4495,
0.3548

 0.4870, 0.8110,
0.1890

 142.0536, 0.4391,
0.3540

 0.0000, 1.0000,
0.0000

 177.3051, 0.4301,

 0.0000, 0.0000,

0.3531

0.0000

217.9535, 0.4223,
0.3523

■ 22.3528, 0.5399,
0.3530

■ 22.3528, 0.5399,
0.3530

■ 19.5928, 0.5801,
0.3504

■ 25.9973, 0.4965,
0.3528

■ 17.6369, 0.6113,
0.3450


■ 30.5901, 0.4546,
0.3505

■ 16.6921, 0.6266,
0.3406

■ 36.1931, 0.4170,
0.3470

■ 42.8621, 0.3848,
0.3428

■ 50.6487, 0.3579,
0.3384

 59.6011, 0.3357,
0.3341

 69.7646, 0.3175,
0.3301

 81.1823, 0.3026,
0.3265

 93.5844, 0.2929,
0.3279

Harmonies

Analogous

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



22.3528, 0.4839, 0.2816



22.3528, 0.5399, 0.3530



22.3528, 0.5154, 0.4311

Triad

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



22.3528, 0.5399, 0.3530



22.3528, 0.2336, 0.4912



22.3528, 0.1732, 0.1647

Complementary

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



22.3528, 0.5399, 0.3530



46.1434, 0.2225, 0.2933

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.



22.3528, 0.1341, 0.1809



22.3528, 0.5399, 0.3530



22.3528, 0.1595, 0.3512

Square

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



22.3528, 0.5399, 0.3530



22.3528, 0.3356, 0.5527



22.3528, 0.1285, 0.2381



22.3528, 0.2513, 0.1791

Rectangle

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



22.3528, 0.5399, 0.3530



22.3528, 0.4671, 0.4854



22.3528, 0.1285, 0.2381



22.3528, 0.1562, 0.1664

Sweetspot

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



22.3541, 0.5399, 0.3530



70.2825, 0.3559, 0.3380



22.8203, 0.3487, 0.1899



14.3789, 0.3626, 0.3392



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.



22.3541, 0.5399, 0.3530



25.1709, 0.5993, 0.3477



42.8692, 0.4558, 0.4396



14.0409, 0.3288, 0.3327



10.0174, 0.6247, 0.3422



0.8020, 0.5983, 0.3631

Inverse Universe

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



46.1434, 0.2225, 0.2933



58.8542, 0.2141, 0.2846



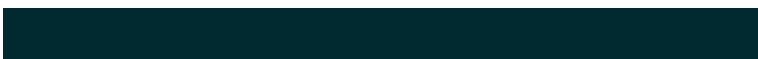
18.8801, 0.1910, 0.1688



15.1924, 0.2982, 0.3253



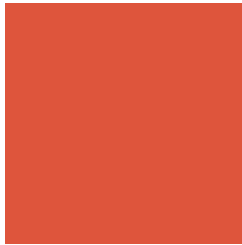
24.5483, 0.2109, 0.2793



1.8002, 0.2133, 0.2877

Previews

White Background



This preview shows how the Yxy color 22.3528, 0.5399, 0.3530 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 22.3528, 0.5399, 0.3530 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 22.3528, 0.5399, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 22.3528, 0.5399, 0.3530.



This preview shows how white text looks on a background with the Yxy color 22.3528, 0.5399, 0.3530.

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

22.3528, 0.5399, 0.3530

Protanopia

22.5802, 0.3892, 0.4243

Deuteranopia

22.4408, 0.4439, 0.4348



Tritanopia

22.3944, 0.5106, 0.3255

Trichromacy



Original Color

22.3528, 0.5399, 0.3530

Protanomaly

21.2475, 0.4469, 0.3934

Deuteranomaly

21.6085, 0.4825, 0.4008

Tritanomaly

22.4103, 0.5220, 0.3356

Monochromacy



Original Color

22.3528, 0.5399, 0.3530

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2283, 0.3948, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3528, 0.5399, 0.3530 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(222, 85, 60)` looks like.

```
.text, #text, p{  
    color:rgb(222, 85, 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(222, 85, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 85, 60) }
```

Border

The CSS property to change the border of an element to Yxy 22.3528, 0.5399, 0.3530 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(222, 85, 60) }
```

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

```
.border{ border-color:rgb(222, 85, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 85, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 85, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 85, 60);  
box-shadow:4px 4px 4px 4px rgb(222, 85,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3528, 0.5399, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 85, 60) }
```

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

```
.background{ background-color: rgb(222, 85,  
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](#).

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