

Converting Colors

$Y_{xy}(20.6252, 0.5532, 0.3510)$

Have a look what the booklet for
Yxy(20.6252, 0.5532, 0.3510)
contains.

Yxy(20.6249, 0.5532, 0.3509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6249, 0.5532, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	DB4D35
RGB	219, 77, 53
RGB Percent	86%, 30%, 21%
CMY	0.1411, 0.6981, 0.7921
CMYK	0.00, 0.65, 0.76, 0.14
HSL	9°, 70%, 53%
HSV	9°, 76%, 86%
XYZ	32.5155, 20.6249, 5.6367
YIQ	116.7220, 92.3360, 22.6400

Conversions

Conversions Part 2

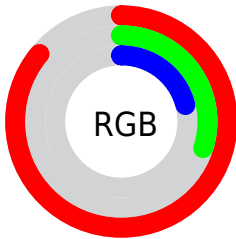
Format	Color
R_{YB}	219, 81, 53
Decimal	14372149
CIE Lab	52.54, 54.28, 43.63
CIE LCh	53, 69.637, 38.792
Yxy	20.6249, 0.5532, 0.3509
Android (android.graphics.Color)	4292562229 (0xFFDB4D35)
YUV	116.7220, -31.4149, 89.6978
Hunter-Lab	45.4146, 48.3250, 24.4314

Details

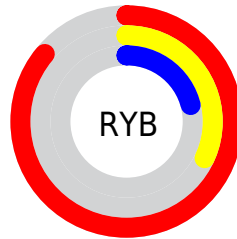
The Yxy color **20.6249, 0.5532, 0.3509** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **44.9271, 0.2213, 0.2943**, and the grayscale version is **17.7751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7021, 0.4818, 0.3597**, and **7.3003, 0.6288, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **18.2138, 0.5916, 0.3476**, and if you desaturate by 10%, it is **23.8856, 0.5098, 0.3515**.

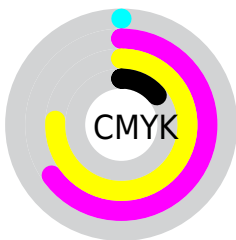
Distribution



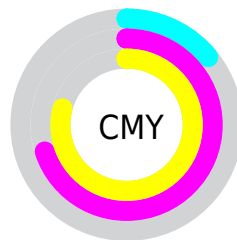
- Red (86%)
- Green (30%)
- Blue (21%)



- Red (86%)
- Yellow (32%)
- Blue (21%)



- Cyan (0%)
- Magenta (65%)
- Yellow (76%)
- Black (14%)





- Cyan (14%)
- Magenta (70%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6249, 0.5532, 0.3509 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 20.6249, 0.5532, 0.3509 by changing the saturation by 10% instead.


 20.6249, 0.5532,
0.3509


 20.6249, 0.5532,
0.3509

255.2783, 0.4207,
0.3519


 12.8501, 0.5871,
0.3443


 44.4624, 0.5035,
0.3555

 7.3254, 0.6292,
0.3314


 61.2939, 0.4851,
0.3558

 3.6664, 0.6894,
0.3106

 81.9131, 0.4698,
0.3556

 1.4888, 0.7400,
0.2600

 106.7044, 0.4568,
0.3551

 0.2808, 0.8674,
0.1326

 136.0522, 0.4458,
0.3543

 0.0000, 1.0000,
0.0000

 170.3408, 0.4363,

 0.0000, 0.0000,

0.3535

0.0000

209.9547, 0.4280,
0.3527

■ 20.6249, 0.5532,
0.3509

■ 20.6249, 0.5532,
0.3509

■ 18.2138, 0.5916,
0.3476

■ 23.8856, 0.5098,
0.3515

■ 16.5681, 0.6193,
0.3419


■ 28.0624, 0.4668,
0.3499

■ 16.0766, 0.6279,
0.3396

■ 33.2192, 0.4275,
0.3468

■ 39.4131, 0.3935,
0.3430

■ 46.6967, 0.3650,
0.3389

 55.1191, 0.3415,
0.3349

 64.7264, 0.3222,
0.3311

 75.5622, 0.3065,
0.3276

 87.6677, 0.2935,
0.3243

Harmonies

Analogous

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



20.6249, 0.4946, 0.2776



20.6249, 0.5532, 0.3509



20.6249, 0.5249, 0.4320

Triad

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



20.6249, 0.5532, 0.3509



20.6249, 0.2278, 0.5046



20.6249, 0.1659, 0.1570

Complementary

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



20.6249, 0.5532, 0.3509



44.9271, 0.2213, 0.2943

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.



20.6249, 0.1259, 0.1731



20.6249, 0.5532, 0.3509



20.6249, 0.1511, 0.3522

Square

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



20.6249, 0.5532, 0.3509



20.6249, 0.3343, 0.5680



20.6249, 0.1199, 0.2319



20.6249, 0.2468, 0.1718

Rectangle

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



20.6249, 0.5532, 0.3509



20.6249, 0.4729, 0.4901



20.6249, 0.1199, 0.2319



20.6249, 0.1485, 0.1586

Sweetspot

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



20.6261, 0.5532, 0.3509



68.8373, 0.3585, 0.3379



21.6371, 0.3467, 0.1849



13.8607, 0.3678, 0.3394



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.



20.6261, 0.5532, 0.3509



24.1943, 0.6097, 0.3444



39.8267, 0.4639, 0.4387



13.3533, 0.3288, 0.3324



9.6267, 0.6261, 0.3411



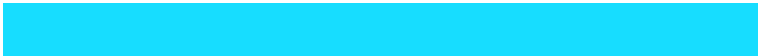
0.7224, 0.5992, 0.3625

Inverse Universe

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



44.9271, 0.2213, 0.2943



59.3762, 0.2139, 0.2862



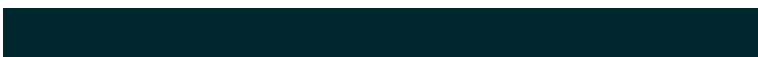
17.8811, 0.1884, 0.1662



14.4923, 0.2982, 0.3255



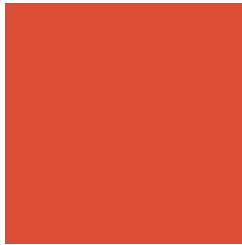
24.3266, 0.2119, 0.2828



1.6655, 0.2142, 0.2910

Previews

White Background



This preview shows how the Yxy color 20.6249, 0.5532, 0.3509 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 20.6249, 0.5532, 0.3509 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 20.6249, 0.5532, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 20.6249, 0.5532, 0.3509.



This preview shows how white text looks on a background with the Yxy color 20.6249, 0.5532, 0.3509.

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

20.6249, 0.5532, 0.3509

Protanopia

20.8280, 0.3952, 0.4298

Deuteranopia

20.7755, 0.4478, 0.4419



Tritanopia

20.6633, 0.5255, 0.3257

Trichromacy



Original Color

20.6249, 0.5532, 0.3509

Protanomaly

19.4088, 0.4565, 0.3954

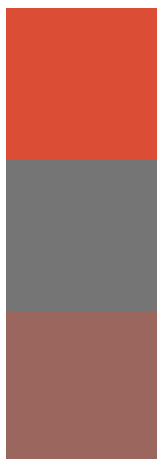
Deuteranomaly

19.8092, 0.4923, 0.4016

Tritanomaly

20.6775, 0.5369, 0.3353

Monochromacy



Original Color

20.6249, 0.5532, 0.3509

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1809, 0.4010, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6249, 0.5532, 0.3509 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(219, 77, 53)` looks like.

```
.text, #text, p{  
    color:rgb(219, 77, 53)  
}
```

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(219, 77, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 77, 53) }
```

Border

The CSS property to change the border of an element to Yxy 20.6249, 0.5532, 0.3509 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(219, 77, 53) }
```

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

```
.border{ border-color:rgb(219, 77, 53) }
```

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

Here you see how a box with a 4 pixel rgb(219, 77, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 77, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 77, 53);  
box-shadow:4px 4px 4px 4px rgb(219, 77,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6249, 0.5532, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 77, 53) }
```

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

```
.background{ background-color: rgb(219, 77,  
53) }
```

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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