

Converting Colors

$Y_{xy}(20.5551, 0.5748, 0.3670)$

Have a look what the booklet for
Yxy(20.5551, 0.5748, 0.3670)
contains.

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Color

Yxy(20.4424, 0.5752, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	DB4D1A
RGB	219, 77, 26
RGB Percent	86%, 30%, 10%
CMY	0.1411, 0.6981, 0.8981
CMYK	0.00, 0.65, 0.88, 0.14
HSL	16°, 79%, 48%
HSV	16°, 88%, 86%
XYZ	32.0569, 20.4424, 3.2324
YIQ	113.6440, 101.0030, 14.2430

Conversions

Conversions Part 2

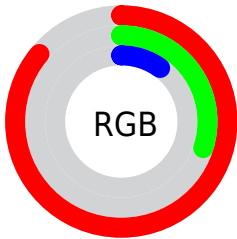
Format	Color
R_{YB}	219, 95, 26
Decimal	14372122
CIE _{Lab}	52.33, 53.50, 55.89
CIE _{LCh}	52, 77.368, 46.251
Yxy	20.4424, 0.5752, 0.3668
Android (android.graphics.Color)	4292562202 (0xFFDB4D1A)
YUV	113.6440, -43.2085, 92.3972
Hunter-Lab	45.2133, 47.4360, 27.4105

Details

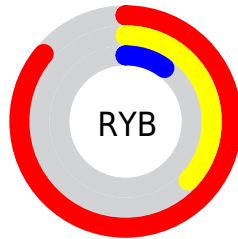
The Yxy color **20.4424, 0.5752, 0.3668** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **33.3417, 0.2053, 0.2515**, and the grayscale version is **16.8234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2984, 0.5040, 0.3797**, and **7.3073, 0.6339, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **18.3958, 0.6019, 0.3583**, and if you desaturate by 10%, it is **23.1223, 0.5408, 0.3713**.

Distribution



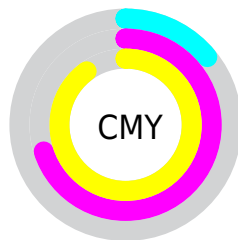
- Red (86%)
- Green (30%)
- Blue (10%)



- Red (86%)
- Yellow (37%)
- Blue (10%)



- Cyan (0%)
- Magenta (65%)
- Yellow (88%)
- Black (14%)





- Cyan (14%)
- Magenta (70%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4424, 0.5752, 0.3668 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 20.4424, 0.5752, 0.3668 by changing the saturation by 10% instead.


 20.4424, 0.5752,
0.3668


 20.4424, 0.5752,
0.3668


254.3001, 0.4351,
0.3650


 12.7170, 0.6075,
0.3583


 44.1577, 0.5249,
0.3723


 7.2340, 0.6536,
0.3464


 60.9164, 0.5055,
0.3723

 3.6089, 0.6880,
0.3120

 81.4549, 0.4891,
0.3716

 1.4573, 0.7387,
0.2613

 106.1578, 0.4750,
0.3705

 0.2584, 0.8726,
0.1274

 135.4094, 0.4629,
0.3692


 0.0000, 1.0000,
0.0000


 169.5940, 0.4524,


 0.0000, 0.0000,

0.3678


0.0000

 209.0961, 0.4432,
0.3664


 20.4424, 0.5752,
0.3668


 20.4424, 0.5752,
0.3668


 18.3958, 0.6019,
0.3583


 23.1223, 0.5408,
0.3713

 18.0758, 0.6064,
0.3567

 26.4863, 0.5024,
0.3716

 30.5817, 0.4639,
0.3684

 35.4502, 0.4280,
0.3628

 41.1302, 0.3962,
0.3560

■ 47.6572, 0.3688,
0.3487

■ 55.0650, 0.3456,
0.3414

■ 63.3850, 0.3262,
0.3344

■ 72.6473, 0.3099,
0.3278

Harmonies

Analogous

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



20.4424, 0.5396, 0.2892



20.4424, 0.5752, 0.3668



20.4424, 0.5201, 0.4563

Triad

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



20.4424, 0.5752, 0.3668



20.4424, 0.1919, 0.4885



20.4424, 0.1705, 0.1450

Complementary

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



20.4424, 0.5752, 0.3668



33.3417, 0.2053, 0.2515

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.



20.4424, 0.1193, 0.1523



20.4424, 0.5752, 0.3668



20.4424, 0.1241, 0.3121

Square

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



20.4424, 0.5752, 0.3668



20.4424, 0.3005, 0.5943



20.4424, 0.1040, 0.1996



20.4424, 0.2691, 0.1681

Rectangle

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



20.4424, 0.5752, 0.3668



20.4424, 0.4545, 0.5217



20.4424, 0.1040, 0.1996



20.4424, 0.1488, 0.1439

Sweetspot

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



20.4436, 0.5752, 0.3668



69.1698, 0.3641, 0.3473



18.7313, 0.3856, 0.1957



14.0688, 0.3729, 0.3498



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.



20.4436, 0.5752, 0.3668



25.3203, 0.6078, 0.3556



44.1707, 0.4610, 0.4636



13.6083, 0.3285, 0.3352



10.8700, 0.6038, 0.3588



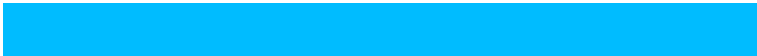
0.8446, 0.5714, 0.3845

Inverse Universe

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



33.3417, 0.2053, 0.2515



43.0221, 0.1997, 0.2390



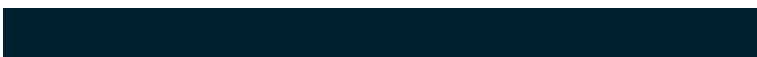
10.2645, 0.1666, 0.1091



14.2170, 0.2982, 0.3227



18.3611, 0.2004, 0.2413



1.3275, 0.2048, 0.2573

Previews

White Background



This preview shows how the Yxy color 20.4424, 0.5752, 0.3668 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 20.4424, 0.5752, 0.3668 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 20.4424, 0.5752, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 20.4424, 0.5752, 0.3668.



This preview shows how white text looks on a background with the Yxy color 20.4424, 0.5752, 0.3668.

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

20.4424, 0.5752, 0.3668

Protanopia

20.7244, 0.4237, 0.4672

Deuteranopia

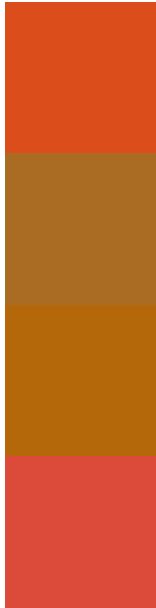
20.4628, 0.4702, 0.4649



Tritanopia

20.3722, 0.5299, 0.3258

Trichromacy



Original Color

20.4424, 0.5752, 0.3668

Protanomaly

19.2756, 0.4853, 0.4249

Deuteranomaly

19.6237, 0.5152, 0.4244

Tritanomaly

20.4187, 0.5513, 0.3439

Monochromacy



Original Color

20.4424, 0.5752, 0.3668

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5920, 0.4167, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4424, 0.5752, 0.3668 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(219, 77, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 77, 26) }
```

Border

The CSS property to change the border of an element to Yxy 20.4424, 0.5752, 0.3668 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, 26) }
```

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

```
.border{ border-color:rgb(219, 77, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 77, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 77, 26);  
box-shadow:4px 4px 4px 4px rgb(219, 77,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4424, 0.5752, 0.3668 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, 26) }
```

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

```
.background{ background-color: rgb(219, 77,  
26) }
```

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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