

Converting Colors

$Y_{xy}(22.7689, 0.5508, 0.3820)$

Have a look what the booklet for
Yxy(22.7689, 0.5508, 0.3820)
contains.

Yxy(22.6847, 0.5512, 0.3813)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6847, 0.5512, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	D95D20
RGB	217, 93, 32
RGB Percent	85%, 36%, 13%
CMY	0.1490, 0.6353, 0.8746
CMYK	0.00, 0.57, 0.85, 0.15
HSL	20°, 74%, 49%
HSV	20°, 85%, 85%
XYZ	32.7926, 22.6847, 4.0158
YIQ	123.1220, 93.4850, 7.3170

Conversions

Conversions Part 2

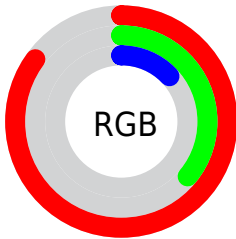
Format	Color
R_{YB}	217, 123, 32
Decimal	14245152
CIE Lab	54.75, 45.74, 55.40
CIE LCh	55, 71.847, 50.455
Yxy	22.6847, 0.5512, 0.3813
Android (android.graphics.Color)	4292435232 (0xFFD95D20)
YUV	123.1220, -44.9231, 82.3310
Hunter-Lab	47.6285, 39.5489, 28.3409

Details

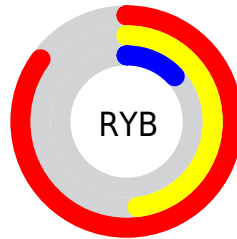
The Yxy color **22.6847, 0.5512, 0.3813** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **29.0941, 0.2016, 0.2345**, and the grayscale version is **19.9777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4423, 0.4865, 0.3890**, and **8.4861, 0.6037, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **20.2893, 0.5791, 0.3738**, and if you desaturate by 10%, it is **25.6459, 0.5177, 0.3838**.

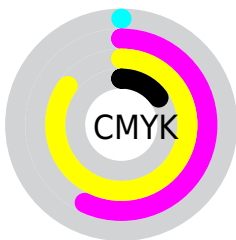
Distribution



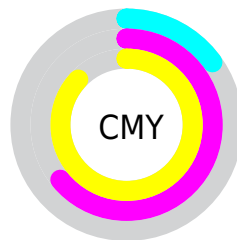
- Red (85%)
- Green (36%)
- Blue (13%)



- Red (85%)
- Yellow (48%)
- Blue (13%)



- Cyan (0%)
- Magenta (57%)
- Yellow (85%)
- Black (15%)





- Cyan (15%)
- Magenta (64%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6847, 0.5512, 0.3813 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 22.6847, 0.5512, 0.3813 by changing the saturation by 10% instead.


 22.6847, 0.5512,
0.3813


 22.6847, 0.5512,
0.3813


266.1014, 0.4250,
0.3691


 14.3609, 0.5804,
0.3767


 47.8751, 0.5059,
0.3820


 8.3721, 0.6182,
0.3679


 65.5104, 0.4885,
0.3806


 4.3339, 0.6556,
0.3444

 87.0184, 0.4737,
0.3788

 1.8621, 0.6982,
0.3018

 112.7834, 0.4611,
0.3768

 0.5254, 0.7814,
0.2186

 143.1898, 0.4502,
0.3748

 0.0000, 1.0000,
0.0000

 178.6220, 0.4407,

 0.0000, 0.0000,

0.3728

0.0000

219.4644, 0.4324,
0.3709

22.6847, 0.5512,
0.3813

22.6847, 0.5512,
0.3813

20.2893, 0.5791,
0.3738

25.6459, 0.5177,
0.3838


19.3311, 0.5905,
0.3693


29.2076, 0.4820,
0.3818

33.4056, 0.4469,
0.3763

38.2713, 0.4145,
0.3687

43.8338, 0.3857,
0.3599

 50.1205, 0.3607,
0.3508

 57.1570, 0.3393,
0.3418

 64.9679, 0.3211,
0.3333

 73.5763, 0.3058,
0.3253

Harmonies

Analogous

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



22.6847, 0.5281, 0.3054



22.6847, 0.5512, 0.3813



22.6847, 0.4968, 0.4659

Triad

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



22.6847, 0.5512, 0.3813



22.6847, 0.1928, 0.4485



22.6847, 0.1921, 0.1594

Complementary

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



22.6847, 0.5512, 0.3813



29.0941, 0.2016, 0.2345

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.



22.6847, 0.1372, 0.1627



22.6847, 0.5512, 0.3813



22.6847, 0.1339, 0.2977

Square

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



22.6847, 0.5512, 0.3813



22.6847, 0.2915, 0.5597



22.6847, 0.1183, 0.2028



22.6847, 0.2905, 0.1852

Rectangle

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



22.6847, 0.5512, 0.3813



22.6847, 0.4354, 0.5222



22.6847, 0.1183, 0.2028



22.6847, 0.1693, 0.1571

Sweetspot

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



22.6860, 0.5512, 0.3813



71.2924, 0.3629, 0.3517



18.2688, 0.4025, 0.2080



14.5636, 0.3714, 0.3549



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.



22.6860, 0.5512, 0.3813



27.6139, 0.5921, 0.3681



48.7614, 0.4452, 0.4736



13.7494, 0.3283, 0.3368



11.8738, 0.5879, 0.3714



0.9240, 0.5560, 0.3967

Inverse Universe

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



29.0941, 0.2016, 0.2345



36.3136, 0.1931, 0.2151



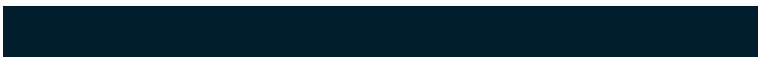
9.2030, 0.1657, 0.1012



14.0683, 0.2982, 0.3211



15.5747, 0.1939, 0.2180



1.1642, 0.1995, 0.2382

Previews

White Background



This preview shows how the Yxy color 22.6847, 0.5512, 0.3813 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 22.6847, 0.5512, 0.3813 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 22.6847, 0.5512, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 22.6847, 0.5512, 0.3813.



This preview shows how white text looks on a background with the Yxy color 22.6847, 0.5512, 0.3813.

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

22.6847, 0.5512, 0.3813

Protanopia

22.8727, 0.4217, 0.4659

Deuteranopia

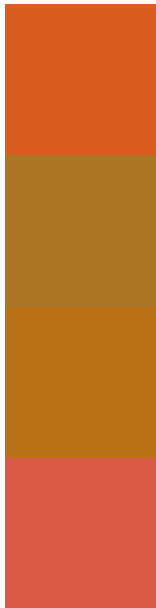
22.8059, 0.4670, 0.4603



Tritanopia

22.6668, 0.4930, 0.3230

Trichromacy



Original Color

22.6847, 0.5512, 0.3813

Protanomaly

21.8675, 0.4720, 0.4330

Deuteranomaly

22.1787, 0.5024, 0.4278

Tritanomaly

22.5051, 0.5200, 0.3480

Monochromacy



Original Color

22.6847, 0.5512, 0.3813

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4946, 0.4039, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6847, 0.5512, 0.3813 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(217, 93, 32)` looks like.

```
.text, #text, p{  
    color:rgb(217, 93, 32)  
}
```

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(217, 93, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 93, 32) }
```

Border

The CSS property to change the border of an element to Yxy 22.6847, 0.5512, 0.3813 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(217, 93, 32) }
```

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

```
.border{ border-color:rgb(217, 93, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 93, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 93, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 93, 32);  
box-shadow:4px 4px 4px 4px rgb(217, 93,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6847, 0.5512, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 93, 32) }
```

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

```
.background{ background-color: rgb(217, 93,  
32) }
```

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