

Converting Colors

$Y_{xy}(20.9637, 0.5460, 0.3925)$

Have a look what the booklet for
Yxy(20.9637, 0.5460, 0.3925)
contains.

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Color

Yxy(20.9007, 0.5459, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	CC5E16
RGB	204, 94, 22
RGB Percent	80%, 37%, 9%
CMY	0.2000, 0.6313, 0.9138
CMYK	0.00, 0.54, 0.89, 0.20
HSL	24°, 81%, 44%
HSV	24°, 89%, 80%
XYZ	29.0471, 20.9007, 3.2617
YIQ	118.6820, 88.6720, 0.9280

Conversions

Conversions Part 2

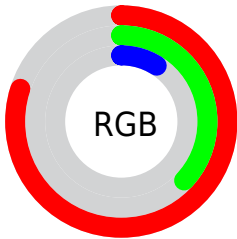
Format	Color
RYB	204, 141, 22
Decimal	13393430
CIELab	52.84, 40.06, 56.58
CIELCh	53, 69.324, 54.697
Yxy	20.9007, 0.5459, 0.3928
Android (android.graphics.Color)	4291583510 (0xFFCC5E16)
YUV	118.6820, -47.6642, 74.8239
Hunter-Lab	45.7173, 33.4071, 27.7720

Details

The Yxy color **20.9007, 0.5459, 0.3928** 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 **21.0223, 0.1935, 0.2089**, and the grayscale version is **18.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6354, 0.4917, 0.3960**, and **7.5674, 0.5925, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **18.8271, 0.5701, 0.3847**, and if you desaturate by 10%, it is **23.3844, 0.5169, 0.3961**.

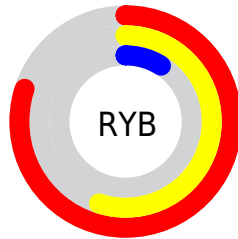
Distribution



Red (80%)

Green (37%)

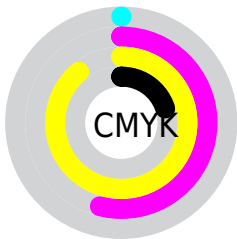
Blue (9%)



Red (80%)

Yellow (55%)

Blue (9%)

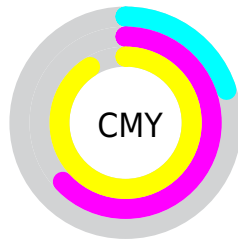


Cyan (0%)

Magenta (54%)

Yellow (89%)

Black (20%)



Cyan (20%)

Magenta (63%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9007, 0.5459, 0.3928 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 20.9007, 0.5459, 0.3928 by changing the saturation by 10% instead.


 20.9007, 0.5459,
0.3928


 20.9007, 0.5459,
0.3928


256.7503, 0.4220,
0.3744


 13.0514, 0.5742,
0.3891


 44.9222, 0.5016,
0.3915

 7.4640, 0.6157,
0.3841


 61.8633, 0.4844,
0.3892

 3.7539, 0.6440,
0.3560

 82.6037, 0.4699,
0.3866

 1.5369, 0.6872,
0.3128

 107.5279, 0.4574,
0.3840

 0.3145, 0.8118,
0.1882

 137.0202, 0.4467,
0.3814

 0.0000, 1.0000,
0.0000

 171.4652, 0.4374,

 0.0000, 0.0000,

0.3789

0.0000

211.2471, 0.4292,
0.3766

20.9007, 0.5459,
0.3928

20.9007, 0.5459,
0.3928

18.8271, 0.5701,
0.3847

23.3844, 0.5169,
0.3961

18.6802, 0.5720,
0.3840

26.3070, 0.4850,
0.3944

29.6942, 0.4526,
0.3886

33.5680, 0.4217,
0.3801

37.9490, 0.3935,
0.3700

■ 42.8562, 0.3684,
0.3592

■ 48.3076, 0.3466,
0.3484

■ 54.3203, 0.3277,
0.3380

■ 60.9106, 0.3115,
0.3283

Harmonies

Analogous

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



20.9007, 0.5352, 0.3161



20.9007, 0.5459, 0.3928



20.9007, 0.4841, 0.4778

Triad

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



20.9007, 0.5459, 0.3928



20.9007, 0.1827, 0.4253



20.9007, 0.2040, 0.1623

Complementary

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



20.9007, 0.5459, 0.3928



21.0223, 0.1935, 0.2089

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.



20.9007, 0.1436, 0.1613



20.9007, 0.5459, 0.3928



20.9007, 0.1305, 0.2808

Square

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



20.9007, 0.5459, 0.3928



20.9007, 0.2768, 0.5493



20.9007, 0.1201, 0.1953



20.9007, 0.3080, 0.1919

Rectangle

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



20.9007, 0.5459, 0.3928



20.9007, 0.4207, 0.5317



20.9007, 0.1201, 0.1953



20.9007, 0.1792, 0.1587

Sweetspot

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



20.9019, 0.5459, 0.3928



72.6001, 0.3641, 0.3572



15.1367, 0.4298, 0.2205



14.9037, 0.3722, 0.3609



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.



20.9019, 0.5459, 0.3928



30.5509, 0.5742, 0.3823



46.6598, 0.4361, 0.4853



11.9300, 0.3280, 0.3382



11.9293, 0.5695, 0.3860



0.7624, 0.5336, 0.4145

Inverse Universe

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



21.0223, 0.1935, 0.2089



30.3592, 0.1864, 0.1911



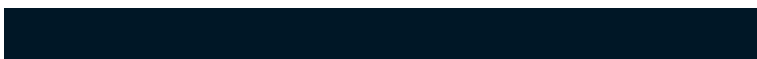
6.2736, 0.1591, 0.0825



11.9528, 0.2983, 0.3196



11.8881, 0.1875, 0.1950



0.7588, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 20.9007, 0.5459, 0.3928 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 20.9007, 0.5459, 0.3928 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 20.9007, 0.5459, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 20.9007, 0.5459, 0.3928.



This preview shows how white text looks on a background with the Yxy color 20.9007, 0.5459, 0.3928.

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

20.9007, 0.5459, 0.3928

Protanopia

21.0285, 0.4280, 0.4739

Deuteranopia

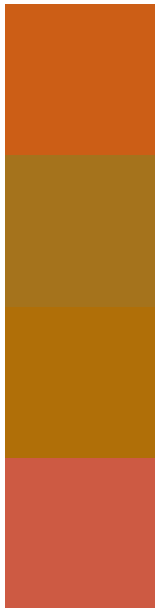
20.9065, 0.4710, 0.4642



Tritanopia

20.8916, 0.4789, 0.3236

Trichromacy



Original Color

20.9007, 0.5459, 0.3928

Protanomaly

20.3446, 0.4744, 0.4415

Deuteranomaly

20.6165, 0.5006, 0.4367

Tritanomaly

20.6967, 0.5122, 0.3552

Monochromacy



Original Color

20.9007, 0.5459, 0.3928

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2760, 0.4039, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9007, 0.5459, 0.3928 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(204, 94, 22)` looks like.

```
.text, #text, p{  
  color:rgb(204, 94, 22)  
}
```

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(204, 94, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 94, 22) }
```

Border

The CSS property to change the border of an element to Yxy 20.9007, 0.5459, 0.3928 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(204, 94, 22) }
```

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

```
.border{ border-color:rgb(204, 94, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 94, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 94, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 94, 22);  
box-shadow:4px 4px 4px 4px rgb(204, 94,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9007, 0.5459, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 94, 22) }
```

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

```
.background{ background-color: rgb(204, 94,  
22) }
```

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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