

Converting Colors

$Yxy(20.9489, 0.5867, 0.3669)$

Have a look what the booklet for
Yxy(20.9489, 0.5867, 0.3669)
contains.

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Color

Yxy(21.0688, 0.5862, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	E14B0D
RGB	225, 75, 13
RGB Percent	88%, 29%, 5%
CMY	0.1177, 0.7057, 0.9491
CMYK	0.00, 0.67, 0.94, 0.12
HSL	18°, 89%, 47%
HSV	18°, 94%, 88%
XYZ	33.6343, 21.0688, 2.6738
YIQ	112.7820, 109.3020, 12.5180

Conversions

Conversions Part 2

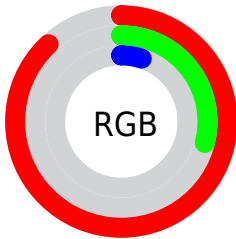
Format	Color
R_{YB}	225, 101, 13
Decimal	14764813
CIE Lab	53.02, 56.14, 60.88
CIE LCh	53, 82.810, 47.318
Yxy	21.0688, 0.5862, 0.3672
Android (android.graphics.Color)	4292954893 (0xFFE14B0D)
YUV	112.7820, -49.1925, 98.4152
Hunter-Lab	45.9008, 50.4717, 28.6768

Details

The Yxy color **21.0688, 0.5862, 0.3672** 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 **31.6828, 0.1996, 0.2357**, and the grayscale version is **16.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9100, 0.5120, 0.3851**, and **7.6205, 0.6390, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **19.8840, 0.6001, 0.3617**, and if you desaturate by 10%, it is **23.6015, 0.5568, 0.3745**.

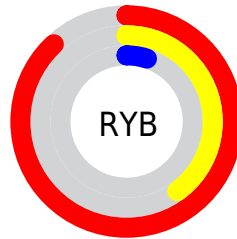
Distribution



Red (88%)

Green (29%)

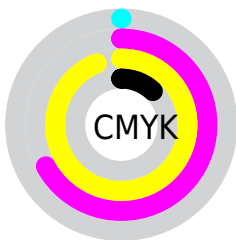
Blue (5%)



Red (88%)

Yellow (40%)

Blue (5%)

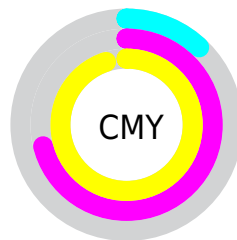


Cyan (0%)

Magenta (67%)

Yellow (94%)

Black (12%)



Cyan (12%)


Magenta (71%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0688, 0.5862, 0.3672 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 21.0688, 0.5862, 0.3672 by changing the saturation by 10% instead.


 21.0688, 0.5862,
0.3672


 21.0688, 0.5862,
0.3672


257.6439, 0.4431,
0.3681


 13.1743, 0.6175,
0.3572


 45.2020, 0.5360,
0.3744

 7.5487, 0.6584,
0.3416


 62.2095, 0.5163,
0.3749

 3.8075, 0.6928,
0.3072

 83.0235, 0.4994,
0.3745

 1.5665, 0.7429,
0.2571

 108.0283, 0.4849,
0.3736

 0.3349, 0.8569,
0.1431

 137.6083, 0.4723,
0.3724

 0.0000, 1.0000,
0.0000


 172.1480, 0.4613,


 0.0000, 0.0000,


0.3710


0.0000


 212.0317, 0.4516,
0.3696

 21.0688, 0.5862,
0.3672

 21.0688, 0.5862,
0.3672


 19.8840, 0.6001,
0.3617

 23.6015, 0.5568,
0.3745

 26.7953, 0.5214,
0.3771

 30.6993, 0.4838,
0.3754

 35.3560, 0.4472,
0.3705

 40.8043, 0.4137,
0.3636

■ 47.0801, 0.3843,
0.3557

■ 54.2172, 0.3590,
0.3476

■ 62.2473, 0.3375,
0.3396

■ 71.2005, 0.3195,
0.3320

Harmonies

Analogous

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



21.0688, 0.5554, 0.2882



21.0688, 0.5862, 0.3672



21.0688, 0.5231, 0.4606

Triad

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



21.0688, 0.5862, 0.3672



21.0688, 0.1810, 0.4927



21.0688, 0.1670, 0.1384

Complementary

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



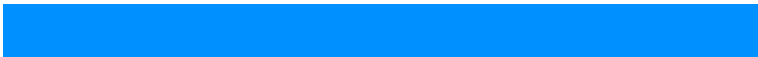
21.0688, 0.5862, 0.3672



31.6828, 0.1996, 0.2357

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.



21.0688, 0.1134, 0.1441



21.0688, 0.5862, 0.3672



21.0688, 0.1143, 0.3038

Square

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



21.0688, 0.5862, 0.3672



21.0688, 0.2918, 0.6102



21.0688, 0.0964, 0.1898



21.0688, 0.2709, 0.1631

Rectangle

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



21.0688, 0.5862, 0.3672



21.0688, 0.4528, 0.5309



21.0688, 0.0964, 0.1898



21.0688, 0.1443, 0.1368

Sweetspot

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



21.0700, 0.5862, 0.3672



68.1291, 0.3685, 0.3508



19.0040, 0.4031, 0.2018



13.7130, 0.3797, 0.3544



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.



21.0700, 0.5862, 0.3672



26.2453, 0.6012, 0.3608



48.2894, 0.4598, 0.4700



14.3511, 0.3285, 0.3359



11.6368, 0.5973, 0.3639



0.9584, 0.5668, 0.3881

Inverse Universe

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



31.6828, 0.1996, 0.2357



40.0027, 0.1969, 0.2286



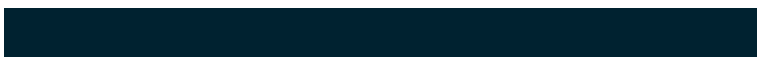
8.6387, 0.1595, 0.0900



14.8591, 0.2982, 0.3220



17.6582, 0.1975, 0.2311



1.3764, 0.2022, 0.2480

Previews

White Background



This preview shows how the Yxy color 21.0688, 0.5862, 0.3672 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 21.0688, 0.5862, 0.3672 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 21.0688, 0.5862, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 21.0688, 0.5862, 0.3672.



This preview shows how white text looks on a background with the Yxy color 21.0688, 0.5862, 0.3672.

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

21.0688, 0.5862, 0.3672

Protanopia

21.1022, 0.4309, 0.4754

Deuteranopia

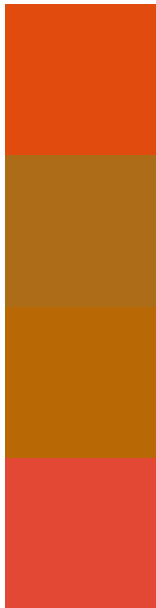
21.1483, 0.4695, 0.4654



Tritanopia

21.0435, 0.5390, 0.3261

Trichromacy



Original Color

21.0688, 0.5862, 0.3672

Protanomaly

19.6712, 0.4964, 0.4292

Deuteranomaly

20.1019, 0.5202, 0.4226

Tritanomaly

21.0514, 0.5636, 0.3459

Monochromacy



Original Color

21.0688, 0.5862, 0.3672

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3295, 0.4287, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0688, 0.5862, 0.3672 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(225, 75, 13)` looks like.

```
.text, #text, p{  
  color:rgb(225, 75, 13)  
}
```

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(225, 75, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 75, 13) }
```

Border

The CSS property to change the border of an element to Yxy 21.0688, 0.5862, 0.3672 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(225, 75, 13) }
```

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

```
.border{ border-color:rgb(225, 75, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 75, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 75, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 75, 13);  
box-shadow:4px 4px 4px 4px rgb(225, 75,  
13) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0688, 0.5862, 0.3672$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 75, 13) }
```

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

```
.background{ background-color: rgb(225, 75,  
13) }
```

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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