

Converting Colors

$Y_{xy}(17.5873, 0.6207, 0.3454)$

Have a look what the booklet for
Yxy(17.5873, 0.6207, 0.3454)
contains.

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Color

Yxy(17.5750, 0.6208, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	E02B00
RGB	224, 43, 0
RGB Percent	88%, 17%, 0%
CMY	0.1215, 0.8314, 0.9994
CMYK	0.00, 0.81, 1.00, 0.12
HSL	11°, 100%, 44%
HSV	11°, 100%, 88%
XYZ	31.6065, 17.5750, 1.7310
YIQ	92.2170, 121.6790, 24.9990

Conversions

Conversions Part 2

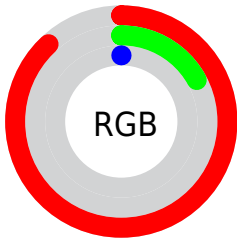
Format	Color
R _Y B	224, 53, 0
Decimal	14691072
CIE Lab	48.98, 66.33, 61.74
CIE LCh	49, 90.618, 42.946
Yxy	17.5750, 0.6208, 0.3452
Android (android.graphics.Color)	4292881152 (0xFFE02B00)
YUV	92.2170, -45.4630, 115.5737
Hunter-Lab	41.9225, 61.2113, 26.8976

Details

The Yxy color **17.5750, 0.6208, 0.3452** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **38.4996, 0.2072, 0.2657**, and the grayscale version is **10.8453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8635, 0.5447, 0.3682**, and **7.3709, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.5663, 0.6209, 0.3452**, and if you desaturate by 10%, it is **19.2577, 0.5963, 0.3526**.

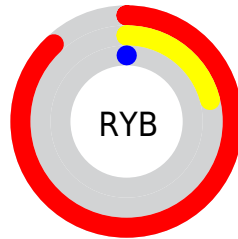
Distribution



Red (88%)

Green (17%)

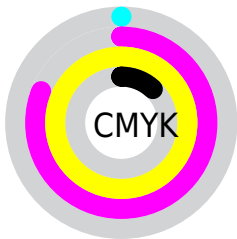
Blue (0%)



Red (88%)

Yellow (21%)

Blue (0%)

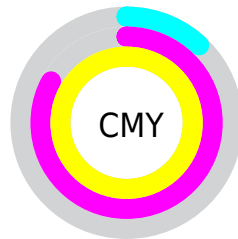


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (83%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5750, 0.6208, 0.3452 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 17.5750, 0.6208, 0.3452 by changing the saturation by 10% instead.


 17.5750, 0.6208,
0.3452

 17.5750, 0.6208,
0.3452

 238.4645, 0.4579,
0.3626


 10.6453, 0.6580,
0.3302

 39.3118, 0.5639,
0.3601


 5.8289, 0.6968,
0.3032


 54.8877, 0.5414,
0.3630

 2.7413, 0.7394,
0.2606


 74.1144, 0.5221,
0.3644

 0.9982, 0.8005,
0.1995

 97.3763, 0.5055,
0.3648


 0.0000, 1.0000,
0.0000


 125.0579, 0.4911,
0.3647


 0.0000, 0.0000,
0.0000


 157.5436, 0.4786,

0.3642

 195.2176, 0.4676,
0.3635


 17.5750, 0.6208,
0.3452

 17.5750, 0.6208,
0.3452


 17.5663, 0.6209,
0.3452

 19.2577, 0.5963,
0.3526

 21.6618, 0.5619,
0.3577

 24.8699, 0.5212,
0.3593

 28.9473, 0.4793,
0.3579

 33.9523, 0.4399,
0.3544

■ 39.9380, 0.4050,
0.3496

■ 46.9536, 0.3752,
0.3443

■ 55.0447, 0.3503,
0.3390

■ 64.2544, 0.3296,
0.3338

Harmonies

Analogous

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



17.5750, 0.5752, 0.2659



17.5750, 0.6208, 0.3452



17.5750, 0.5551, 0.4449

Triad

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



17.5750, 0.6208, 0.3452



17.5750, 0.1743, 0.5567



17.5750, 0.1396, 0.1191

Complementary

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



17.5750, 0.6208, 0.3452



38.4996, 0.2072, 0.2657

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.



17.5750, 0.0906, 0.1286



17.5750, 0.6208, 0.3452



17.5750, 0.0984, 0.3226

Square

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



17.5750, 0.6208, 0.3452



17.5750, 0.2954, 0.6561



17.5750, 0.0770, 0.1823



17.5750, 0.2426, 0.1404

Rectangle

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



17.5750, 0.6208, 0.3452



17.5750, 0.4747, 0.5253



17.5750, 0.0770, 0.1823



17.5750, 0.1184, 0.1186

Sweetspot

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



17.5761, 0.6208, 0.3452



62.6962, 0.3760, 0.3445



19.2692, 0.3742, 0.1835



12.5309, 0.3881, 0.3468



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.



17.5761, 0.6208, 0.3452



23.4398, 0.6219, 0.3444



38.6707, 0.4898, 0.4493



14.1229, 0.3287, 0.3336



10.3496, 0.6187, 0.3469



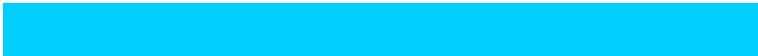
0.8406, 0.5899, 0.3698

Inverse Universe

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



38.4996, 0.2072, 0.2657



51.4595, 0.2070, 0.2652



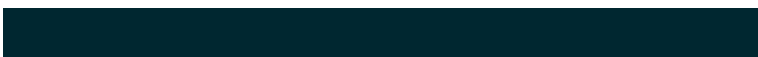
9.8953, 0.1616, 0.1018



15.1031, 0.2982, 0.3244



22.5617, 0.2074, 0.2667



1.6799, 0.2104, 0.2774

Previews

White Background



This preview shows how the Yxy color 17.5750, 0.6208, 0.3452 looks on a white 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

Black Background



This preview shows how the Yxy color 17.5750, 0.6208, 0.3452 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 17.5750, 0.6208, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 17.5750, 0.6208, 0.3452.



This preview shows how white text looks on a background with the Yxy color 17.5750, 0.6208, 0.3452.

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

17.5750, 0.6208, 0.3452

Protanopia

17.9415, 0.4286, 0.4749

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.5114, 0.6013, 0.3304

Trichromacy



Original Color

17.5750, 0.6208, 0.3452

Protanomaly

15.5220, 0.5178, 0.4152

Deuteranomaly

15.8857, 0.5435, 0.4066

Tritanomaly

17.5034, 0.6117, 0.3376

Monochromacy



Original Color

17.5750, 0.6208, 0.3452

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7888, 0.4635, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5750, 0.6208, 0.3452 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(224, 43, 0)` looks like.

```
.text, #text, p{  
  color:rgb(224, 43, 0)  
}
```

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(224, 43, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 43, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.5750, 0.6208, 0.3452 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(224, 43, 0) }
```

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

```
.border{ border-color:rgb(224, 43, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 43, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 43, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 43, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 43, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5750, 0.6208, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 43, 0) }
```

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

```
.background{ background-color: rgb(224, 43,  
0) }
```

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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