

Converting Colors

$Y_{xy}(17.5535, 0.6123, 0.3444)$

Have a look what the booklet for
Yxy(17.5535, 0.6123, 0.3444)
contains.

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Color

Yxy(17.5181, 0.6128, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	DE2E0F
RGB	222, 46, 15
RGB Percent	87%, 18%, 6%
CMY	0.1294, 0.8196, 0.9413
CMYK	0.00, 0.79, 0.93, 0.13
HSL	9°, 87%, 46%
HSV	9°, 93%, 87%
XYZ	31.1885, 17.5181, 2.1885
YIQ	95.0900, 114.8470, 27.6710

Conversions

Conversions Part 2

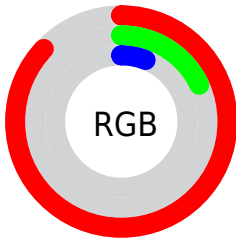
Format	Color
R_{YB}	222, 51, 15
Decimal	14560783
CIE Lab	48.91, 65.10, 57.53
CIE LCh	49, 86.878, 41.467
Yxy	17.5181, 0.6128, 0.3442
Android (android.graphics.Color)	4292750863 (0xFFDE2E0F)
YUV	95.0900, -39.4844, 111.3001
Hunter-Lab	41.8546, 59.7660, 26.1981

Details

The Yxy color **17.5181, 0.6128, 0.3442** 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 **42.6262, 0.2130, 0.2836**, and the grayscale version is **11.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3785, 0.5355, 0.3644**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6333, 0.6273, 0.3401**, and if you desaturate by 10%, it is **19.4317, 0.5819, 0.3496**.

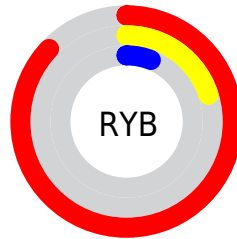
Distribution



Red (87%)

Green (18%)

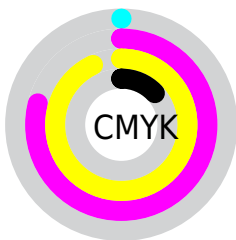
Blue (6%)



Red (87%)

Yellow (20%)

Blue (6%)

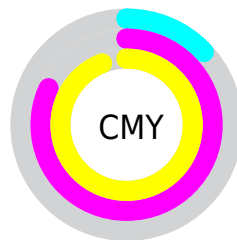


Cyan (0%)

Magenta (79%)

Yellow (93%)

Black (13%)



Cyan (13%)


Magenta (82%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5181, 0.6128, 0.3442 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 17.5181, 0.6128, 0.3442 by changing the saturation by 10% instead.


 17.5181, 0.6128,
0.3442


 17.5181, 0.6128,
0.3442


238.1406, 0.4516,
0.3594

 10.6046, 0.6496,
0.3297


 39.2144, 0.5554,
0.3576


 5.8016, 0.6940,
0.3060

 54.7661, 0.5330,
0.3601

 2.7248, 0.7365,
0.2635

 73.9658, 0.5140,
0.3612

 0.9898, 0.7976,
0.2024

 97.1981, 0.4978,
0.3616

 0.0000, 1.0000,
0.0000


 124.8473, 0.4837,
0.3614


 0.0000, 0.0000,
0.0000


 157.2979, 0.4716,

0.3609


 194.9342, 0.4609,
0.3602


 17.5181, 0.6128,
0.3442


 17.5181, 0.6128,
0.3442


 16.6333, 0.6273,
0.3401

 19.4317, 0.5819,
0.3496

 22.1522, 0.5418,
0.3522

 25.7591, 0.4982,
0.3521

 30.3213, 0.4560,
0.3500

 35.9008, 0.4182,
0.3465

■ 42.5543, 0.3857,
0.3425

■ 50.3343, 0.3586,
0.3382

■ 59.2898, 0.3362,
0.3341

■ 69.4668, 0.3179,
0.3302

Harmonies

Analogous

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



17.5181, 0.5598, 0.2654



17.5181, 0.6128, 0.3442



17.5181, 0.5557, 0.4408

Triad

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



17.5181, 0.6128, 0.3442



17.5181, 0.1856, 0.5558



17.5181, 0.1408, 0.1237

Complementary

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



17.5181, 0.6128, 0.3442



42.6262, 0.2130, 0.2836

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.



17.5181, 0.0941, 0.1353



17.5181, 0.6128, 0.3442



17.5181, 0.1068, 0.3339

Square

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



17.5181, 0.6128, 0.3442



17.5181, 0.3062, 0.6426



17.5181, 0.0824, 0.1920



17.5181, 0.2388, 0.1434

Rectangle

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



17.5181, 0.6128, 0.3442



17.5181, 0.4813, 0.5187



17.5181, 0.0824, 0.1920



17.5181, 0.1206, 0.1239

Sweetspot

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



17.5192, 0.6128, 0.3442



63.4219, 0.3714, 0.3403



19.7844, 0.3552, 0.1753



12.6150, 0.3837, 0.3422



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.



17.5192, 0.6128, 0.3442



22.6603, 0.6282, 0.3394



36.1515, 0.4943, 0.4411



14.0304, 0.3288, 0.3326



9.9796, 0.6254, 0.3416



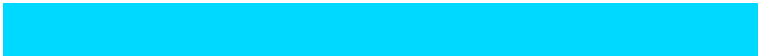
0.7970, 0.5995, 0.3622

Inverse Universe

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



42.6262, 0.2130, 0.2836



56.7325, 0.2110, 0.2797



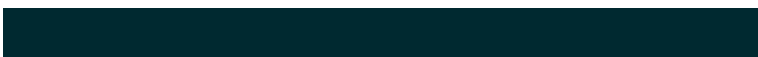
12.8383, 0.1700, 0.1276



15.2039, 0.2982, 0.3254



24.8110, 0.2114, 0.2809



1.8161, 0.2136, 0.2890

Previews

White Background



This preview shows how the Yxy color 17.5181, 0.6128, 0.3442 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 17.5181, 0.6128, 0.3442 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 17.5181, 0.6128, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 17.5181, 0.6128, 0.3442.



This preview shows how white text looks on a background with the Yxy color 17.5181, 0.6128, 0.3442.

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

17.5181, 0.6128, 0.3442

Protanopia

17.6522, 0.4254, 0.4699

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.4318, 0.5946, 0.3298

Trichromacy



Original Color

17.5181, 0.6128, 0.3442

Protanomaly

15.4493, 0.5112, 0.4105

Deuteranomaly

15.9413, 0.5391, 0.4070

Tritanomaly

17.4408, 0.6031, 0.3361

Monochromacy



Original Color

17.5181, 0.6128, 0.3442

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3638, 0.4490, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5181, 0.6128, 0.3442 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(222, 46, 15)` looks like.

```
.text, #text, p{  
    color:rgb(222, 46, 15)  
}
```

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(222, 46, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 46, 15) }
```

Border

The CSS property to change the border of an element to Yxy 17.5181, 0.6128, 0.3442 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(222, 46, 15) }
```

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

```
.border{ border-color:rgb(222, 46, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 46, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 46, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 46, 15);  
box-shadow:4px 4px 4px 4px rgb(222, 46,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5181, 0.6128, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 46, 15) }
```

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

```
.background{ background-color: rgb(222, 46,  
15) }
```

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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