

Converting Colors

$Y_{xy}(19.7493, 0.6040, 0.3718)$

Have a look what the booklet for
Yxy(19.7493, 0.6040, 0.3718)
contains.

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Color

Yxy(19.7858, 0.5955, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	DE4500
RGB	222, 69, 0
RGB Percent	87%, 27%, 0%
CMY	0.1294, 0.7294, 0.9994
CMYK	0.00, 0.69, 1.00, 0.13
HSL	19°, 100%, 44%
HSV	19°, 100%, 87%
XYZ	32.2542, 19.7858, 2.1232
YIQ	106.8810, 113.3370, 10.9770

Conversions

Conversions Part 2

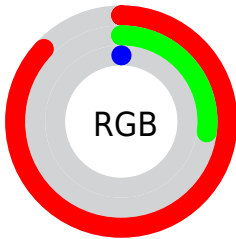
Format	Color
R _Y B	222, 100, 0
Decimal	14566656
CIE Lab	51.59, 57.40, 62.71
CIE LCh	52, 85.013, 47.531
Yxy	19.7858, 0.5955, 0.3653
Android (android.graphics.Color)	4292756736 (0xFFDE4500)
YUV	106.8810, -52.6923, 100.9594
Hunter-Lab	44.4812, 51.5915, 28.3068

Details

The Yxy color **19.7858, 0.5955, 0.3653** 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 **28.1071, 0.1953, 0.2232**, and the grayscale version is **14.7986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2642, 0.5230, 0.3838**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7742, 0.5956, 0.3652**, and if you desaturate by 10%, it is **21.9787, 0.5701, 0.3744**.

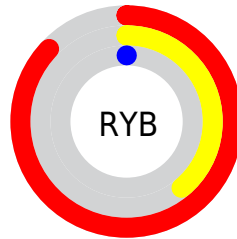
Distribution



Red (87%)

Green (27%)

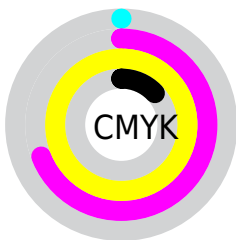
Blue (0%)



Red (87%)

Yellow (39%)

Blue (0%)

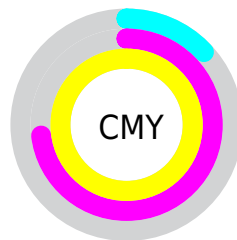


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7858, 0.5955, 0.3653 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 19.7858, 0.5955, 0.3653 by changing the saturation by 10% instead.


 19.7858, 0.5955,
0.3653


 19.7858, 0.5955,
0.3653


250.7532, 0.4477,
0.3693


 12.2394, 0.6279,
0.3539


 43.0578, 0.5441,
0.3744


 6.9070, 0.6658,
0.3342


 59.5522, 0.5237,
0.3754


 3.4040, 0.7024,
0.2976

 79.7980, 0.5062,
0.3753

 1.3461, 0.7559,
0.2441

 104.1798, 0.4911,
0.3745

 0.1765, 0.9106,
0.0894

 133.0817, 0.4780,
0.3734


 0.0000, 1.0000,
0.0000


 166.8884, 0.4666,

 0.0000, 0.0000,

0.3721


0.0000


 205.9840, 0.4566,
0.3707


 19.7858, 0.5955,
0.3653


 19.7858, 0.5955,
0.3653


 19.7742, 0.5956,
0.3652

 21.9787, 0.5701,
0.3744

 24.7583, 0.5382,
0.3795

 28.1786, 0.5022,
0.3799

 32.2807, 0.4656,
0.3763

 37.1017, 0.4309,
0.3700

■ 42.6757, 0.3997,
0.3621

■ 49.0346, 0.3724,
0.3536

■ 56.2082, 0.3491,
0.3450

■ 64.2249, 0.3293,
0.3367

Harmonies

Analogous

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



19.7858, 0.5668, 0.2855



19.7858, 0.5955, 0.3653



19.7858, 0.5279, 0.4624

Triad

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



19.7858, 0.5955, 0.3653



19.7858, 0.1739, 0.5003



19.7858, 0.1625, 0.1328

Complementary

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



19.7858, 0.5955, 0.3653



28.1071, 0.1953, 0.2232

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.



19.7858, 0.1079, 0.1380



19.7858, 0.5955, 0.3653



19.7858, 0.1072, 0.3000

Square

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



19.7858, 0.5955, 0.3653



19.7858, 0.2868, 0.6244



19.7858, 0.0902, 0.1834



19.7858, 0.2696, 0.1581

Rectangle

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



19.7858, 0.5955, 0.3653



19.7858, 0.4541, 0.5370



19.7858, 0.0902, 0.1834



19.7858, 0.1393, 0.1310

Sweetspot

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



19.7870, 0.5955, 0.3653



66.8491, 0.3732, 0.3538



17.9151, 0.4159, 0.2065



13.4911, 0.3843, 0.3575



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.



19.7870, 0.5955, 0.3653



26.8721, 0.5970, 0.3642



47.2256, 0.4602, 0.4727



14.3910, 0.3284, 0.3363



11.9194, 0.5930, 0.3674



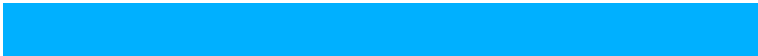
0.9821, 0.5627, 0.3914

Inverse Universe

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



28.1071, 0.1953, 0.2232



38.2160, 0.1951, 0.2222



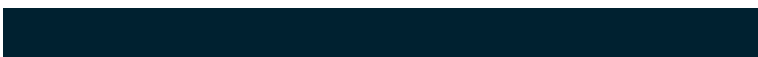
7.1154, 0.1551, 0.0782



14.8170, 0.2982, 0.3216



16.8911, 0.1958, 0.2248



1.3279, 0.2008, 0.2428

Previews

White Background



This preview shows how the Yxy color 19.7858, 0.5955, 0.3653 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 19.7858, 0.5955, 0.3653 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 19.7858, 0.5955, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 19.7858, 0.5955, 0.3653.



This preview shows how white text looks on a background with the Yxy color 19.7858, 0.5955, 0.3653.

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

19.7858, 0.5955, 0.3653

Protanopia

19.9702, 0.4315, 0.4782

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.7600, 0.5509, 0.3271

Trichromacy



Original Color

19.7858, 0.5955, 0.3653

Protanomaly

18.3701, 0.5019, 0.4308

Deuteranomaly

18.8176, 0.5242, 0.4219

Tritanomaly

19.7588, 0.5763, 0.3470

Monochromacy



Original Color

19.7858, 0.5955, 0.3653

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6356, 0.4408, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7858, 0.5955, 0.3653 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, 69, 0)` looks like.

```
.text, #text, p{  
  color:rgb(222, 69, 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(222, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.7858, 0.5955, 0.3653 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, 69, 0) }
```

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

```
.border{ border-color:rgb(222, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7858, 0.5955, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 69, 0) }
```

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

```
.background{ background-color: rgb(222, 69,  
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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