

Converting Colors

$Y_{xy}(18.9272, 0.5891, 0.3482)$

Have a look what the booklet for
Yxy(18.9272, 0.5891, 0.3482)
contains.

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Color

Yxy(18.9769, 0.5889, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	DE3D21
RGB	222, 61, 33
RGB Percent	87%, 24%, 13%
CMY	0.1294, 0.7607, 0.8707
CMYK	0.00, 0.73, 0.85, 0.13
HSL	9°, 74%, 50%
HSV	9°, 85%, 87%
XYZ	32.0674, 18.9769, 3.4088
YIQ	105.9470, 104.9440, 25.4240

Conversions

Conversions Part 2

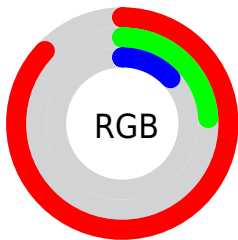
Format	Color
RYB	222, 66, 33
Decimal	14564641
CIELab	50.66, 60.75, 51.90
CIElCh	51, 79.900, 40.506
Yxy	18.9769, 0.5889, 0.3485
Android (android.graphics.Color)	4292754721 (0xFFDE3D21)
YUV	105.9470, -35.9629, 101.7785
Hunter-Lab	43.5625, 55.1639, 25.8543

Details

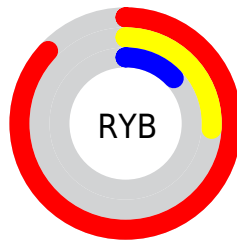
The Yxy color **18.9769, 0.5889, 0.3485** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **44.1589, 0.2161, 0.2884**, and the grayscale version is **14.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0477, 0.5121, 0.3639**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2168, 0.6175, 0.3428**, and if you desaturate by 10%, it is **21.5324, 0.5501, 0.3517**.

Distribution



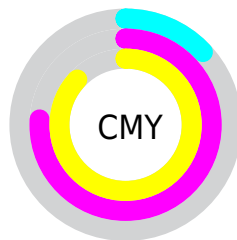
- Red (87%)
- Green (24%)
- Blue (13%)



- Red (87%)
- Yellow (26%)
- Blue (13%)



- Cyan (0%)
- Magenta (73%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9769, 0.5889, 0.3485 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 18.9769, 0.5889, 0.3485 by changing the saturation by 10% instead.


 18.9769, 0.5889,
0.3485


 18.9769, 0.5889,
0.3485


246.3212, 0.4388,
0.3565


 11.6536, 0.6247,
0.3375


 41.6951, 0.5342,
0.3576

 6.5083, 0.6750,
0.3217


 57.8587, 0.5133,
0.3590


 3.1565, 0.7161,
0.2839

 77.7379, 0.4958,
0.3595

 1.2140, 0.7725,
0.2275

 101.7171, 0.4809,
0.3593

 0.0731, 0.9604,
0.0396

 130.1806, 0.4681,
0.3588


 0.0000, 1.0000,
0.0000


 163.5129, 0.4570,


 0.0000, 0.0000,


0.3582

0.0000


 202.0983, 0.4473,
0.3574


 18.9769, 0.5889,
0.3485

 18.9769, 0.5889,
0.3485


 17.2168, 0.6175,
0.3428


 21.5324, 0.5501,
0.3517

 16.6141, 0.6275,
0.3400

 24.9610, 0.5067,
0.3521


 29.3347, 0.4639,
0.3503

 34.7170, 0.4250,
0.3471

 41.1657, 0.3915,
0.3431

 48.7344, 0.3633,
0.3389

 57.4730, 0.3401,
0.3348

 67.4282, 0.3211,
0.3309

 78.6444, 0.3056,
0.3273

Harmonies

Analogous

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



18.9769, 0.5322, 0.2712



18.9769, 0.5889, 0.3485



18.9769, 0.5429, 0.4377

Triad

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



18.9769, 0.5889, 0.3485



18.9769, 0.2036, 0.5333



18.9769, 0.1511, 0.1370

Complementary

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



18.9769, 0.5889, 0.3485



44.1589, 0.2161, 0.2884

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.



18.9769, 0.1067, 0.1504



18.9769, 0.5889, 0.3485



18.9769, 0.1248, 0.3422

Square

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



18.9769, 0.5889, 0.3485



18.9769, 0.3194, 0.6109



18.9769, 0.0972, 0.2085



18.9769, 0.2424, 0.1550

Rectangle

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



18.9769, 0.5889, 0.3485



18.9769, 0.4787, 0.5074



18.9769, 0.0972, 0.2085



18.9769, 0.1319, 0.1377

Sweetspot

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



18.9780, 0.5889, 0.3485



65.5554, 0.3661, 0.3394



20.6372, 0.3514, 0.1781



13.2316, 0.3755, 0.3408



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.



18.9780, 0.5889, 0.3485



22.6358, 0.6284, 0.3393



38.3194, 0.4815, 0.4420



14.0271, 0.3288, 0.3325



9.9678, 0.6256, 0.3414



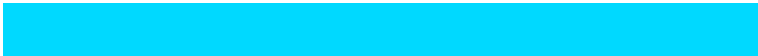
0.7954, 0.5998, 0.3619

Inverse Universe

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



44.1589, 0.2161, 0.2884



56.9302, 0.2112, 0.2802



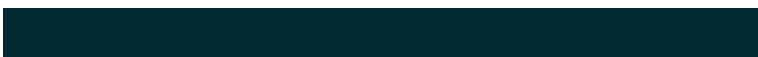
15.1539, 0.1774, 0.1446



15.2076, 0.2982, 0.3254



24.8952, 0.2115, 0.2814



1.8211, 0.2137, 0.2894

Previews

White Background



This preview shows how the Yxy color 18.9769, 0.5889, 0.3485 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 18.9769, 0.5889, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

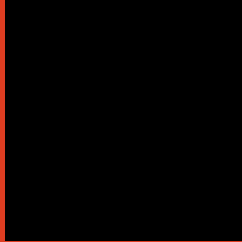
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9769, 0.5889, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 18.9769, 0.5889, 0.3485.



This preview shows how white text looks on a background with the Yxy color 18.9769, 0.5889, 0.3485.

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

18.9769, 0.5889, 0.3485

Protanopia

19.0390, 0.4138, 0.4538

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

19.0403, 0.5646, 0.3281

Trichromacy



Original Color

18.9769, 0.5889, 0.3485

Protanomaly

17.3136, 0.4882, 0.4057

Deuteranomaly

17.6759, 0.5265, 0.4133

Tritanomaly

19.0462, 0.5755, 0.3365

Monochromacy



Original Color

18.9769, 0.5889, 0.3485

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1727, 0.4248, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9769, 0.5889, 0.3485 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, 61, 33)` looks like.

```
.text, #text, p{  
    color:rgb(222, 61, 33)  
}
```

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, 61, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 61, 33) }
```

Border

The CSS property to change the border of an element to Yxy 18.9769, 0.5889, 0.3485 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, 61, 33) }
```

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

```
.border{ border-color:rgb(222, 61, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 61, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 61, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 61, 33);  
box-shadow:4px 4px 4px 4px rgb(222, 61,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9769, 0.5889, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 61, 33) }
```

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

```
.background{ background-color: rgb(222, 61,  
33) }
```

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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