

Converting Colors

$Y_{xy}(17.2653, 0.6106, 0.3527)$

Have a look what the booklet for
Yxy(17.2653, 0.6106, 0.3527)
contains.

Yxy(17.3001, 0.6102, 0.3532)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.3001, 0.6102, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	D93501
RGB	217, 53, 1
RGB Percent	85%, 21%, 0%
CMY	0.1491, 0.7919, 0.9961
CMYK	0.00, 0.76, 1.00, 0.15
HSL	14°, 99%, 43%
HSV	14°, 100%, 85%
XYZ	29.8882, 17.3001, 1.7927
YIQ	96.1080, 114.4360, 18.5960

Conversions

Conversions Part 2

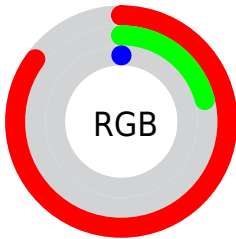
Format	Color
RYB	217, 69, 1
Decimal	14234881
CIELab	48.64, 61.41, 60.56
CIElCh	49, 86.246, 44.603
Yxy	17.3001, 0.6102, 0.3532
Android (android.graphics.Color)	4292424961 (0xFFD93501)
YUV	96.1080, -46.8882, 106.0223
Hunter-Lab	41.5934, 55.4783, 26.5599

Details

The Yxy color **17.3001, 0.6102, 0.3532** 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 **31.8967, 0.2025, 0.2486**, and the grayscale version is **11.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1641, 0.5373, 0.3726**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2300, 0.6113, 0.3528**, and if you desaturate by 10%, it is **19.1293, 0.5844, 0.3616**.

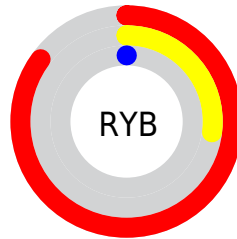
Distribution



Red (85%)

Green (21%)

Blue (0%)



Red (85%)

Yellow (27%)

Blue (0%)

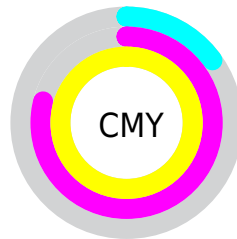


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3001, 0.6102, 0.3532 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 17.3001, 0.6102, 0.3532 by changing the saturation by 10% instead.


 17.3001, 0.6102,
0.3532


 17.3001, 0.6102,
0.3532


 236.8959, 0.4517,
0.3649


 10.4487, 0.6467,
0.3395


 38.8410, 0.5545,
0.3658


 5.6975, 0.6857,
0.3143

 54.2993, 0.5325,
0.3679

 2.6620, 0.7277,
0.2723

 73.3954, 0.5138,
0.3686

 0.9579, 0.7889,
0.2111

 96.5136, 0.4977,
0.3685


 0.0000, 1.0000,
0.0000


 124.0384, 0.4838,
0.3679


 0.0000, 0.0000,
0.0000


 156.3541, 0.4717,


0.3670

 193.8451, 0.4611,
0.3660


 17.3001, 0.6102,
0.3532


 17.3001, 0.6102,
0.3532

 17.2300, 0.6113,
0.3528

 19.1293, 0.5844,
0.3616

 21.5868, 0.5504,
0.3667

 24.7355, 0.5113,
0.3678

 28.6252, 0.4716,
0.3654

 33.3009, 0.4344,
0.3607

■ 38.8036, 0.4013,
0.3546

■ 45.1715, 0.3729,
0.3479

■ 52.4403, 0.3488,
0.3412

■ 60.6438, 0.3287,
0.3348

Harmonies

Analogous

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



17.3001, 0.5709, 0.2737



17.3001, 0.6102, 0.3532



17.3001, 0.5457, 0.4530

Triad

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



17.3001, 0.6102, 0.3532



17.3001, 0.1751, 0.5335



17.3001, 0.1486, 0.1248

Complementary

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



17.3001, 0.6102, 0.3532



31.8967, 0.2025, 0.2486

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.



17.3001, 0.0976, 0.1328



17.3001, 0.6102, 0.3532



17.3001, 0.1025, 0.3139

Square

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



17.3001, 0.6102, 0.3532



17.3001, 0.2932, 0.6434



17.3001, 0.0826, 0.1834



17.3001, 0.2530, 0.1475

Rectangle

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



17.3001, 0.6102, 0.3532



17.3001, 0.4685, 0.5315



17.3001, 0.0826, 0.1834



17.3001, 0.1267, 0.1238

Sweetspot

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



17.3012, 0.6102, 0.3532



64.3987, 0.3748, 0.3484



17.5440, 0.3909, 0.1929



12.9233, 0.3865, 0.3513



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.



17.3012, 0.6102, 0.3532



24.6467, 0.6127, 0.3517



39.6776, 0.4761, 0.4599



13.5586, 0.3286, 0.3347



10.5711, 0.6089, 0.3548



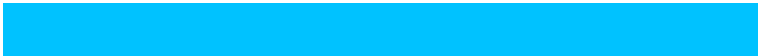
0.8193, 0.5767, 0.3803

Inverse Universe

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



31.8967, 0.2025, 0.2486



45.5994, 0.2021, 0.2474



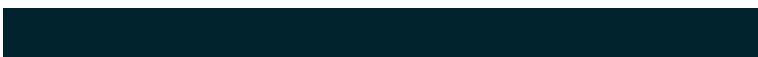
8.1013, 0.1588, 0.0914



14.2700, 0.2982, 0.3232



19.4290, 0.2027, 0.2495



1.3890, 0.2067, 0.2640

Previews

White Background



This preview shows how the Yxy color 17.3001, 0.6102, 0.3532 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

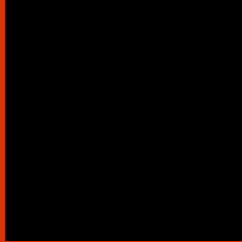
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3001, 0.6102, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 17.3001, 0.6102, 0.3532.



This preview shows how white text looks on a background with the Yxy color 17.3001, 0.6102, 0.3532.

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

17.3001, 0.6102, 0.3532

Protanopia

17.6181, 0.4297, 0.4762

Deuteranopia

17.3549, 0.4710, 0.4642



Tritanopia

17.4256, 0.5788, 0.3291

Trichromacy



Original Color

17.3001, 0.6102, 0.3532

Protanomaly

15.7242, 0.5100, 0.4222

Deuteranomaly

15.9154, 0.5349, 0.4135

Tritanomaly

17.3829, 0.5961, 0.3412

Monochromacy



Original Color

17.3001, 0.6102, 0.3532

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6497, 0.4529, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3001, 0.6102, 0.3532 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(217, 53, 1)` looks like.

```
.text, #text, p{  
    color:rgb(217, 53, 1)  
}
```

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(217, 53, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 53, 1) }
```

Border

The CSS property to change the border of an element to Yxy 17.3001, 0.6102, 0.3532 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(217, 53, 1) }
```

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

```
.border{ border-color:rgb(217, 53, 1) }
```

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

Here you see how a box with a 4 pixel rgb(217, 53, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 53, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 53, 1);  
box-shadow:4px 4px 4px 4px rgb(217, 53, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3001, 0.6102, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 53, 1) }
```

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

```
.background{ background-color: rgb(217, 53,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor