

Converting Colors

$Y_{xy}(17.2873, 0.6283, 0.3364)$

Have a look what the booklet for
Yxy(17.2873, 0.6283, 0.3364)
contains.

Yxy(17.2228, 0.6282, 0.3365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2228, 0.6282, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	E31D06
RGB	227, 29, 6
RGB Percent	89%, 11%, 2%
CMY	0.1098, 0.8863, 0.9758
CMYK	0.00, 0.87, 0.97, 0.11
HSL	6°, 95%, 46%
HSV	6°, 97%, 89%
XYZ	32.1526, 17.2228, 1.8067
YIQ	85.5800, 125.3910, 34.8230

Conversions

Conversions Part 2

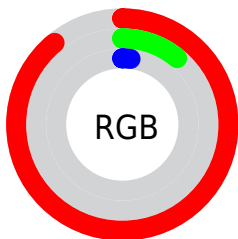
Format	Color
RYB	227, 32, 6
Decimal	14884102
CIELab	48.54, 70.20, 60.26
CIElCh	49, 92.518, 40.644
Yxy	17.2228, 0.6282, 0.3365
Android (android.graphics.Color)	4293074182 (0xFFE31D06)
YUV	85.5800, -39.2329, 124.0253
Hunter-Lab	41.5004, 65.6682, 26.4690

Details

The Yxy color **17.2228, 0.6282, 0.3365** 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 **48.8516, 0.2161, 0.2967**, and the grayscale version is **9.2816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5099, 0.5489, 0.3600**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9633, 0.6330, 0.3356**, and if you desaturate by 10%, it is **18.6461, 0.6038, 0.3411**.

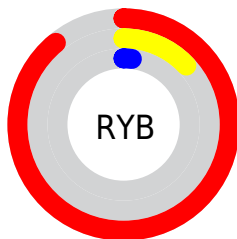
Distribution



Red (89%)

Green (11%)

Blue (2%)



Red (89%)

Yellow (13%)

Blue (2%)

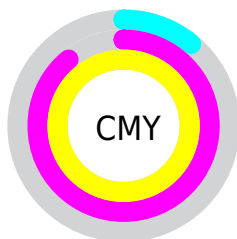


Cyan (0%)

Magenta (87%)

Yellow (97%)

Black (11%)



Cyan (11%)


Magenta (89%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2228, 0.6282, 0.3365 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 17.2228, 0.6282, 0.3365 by changing the saturation by 10% instead.


 17.2228, 0.6282,
0.3365


 17.2228, 0.6282,
0.3365


 236.4531, 0.4604,
0.3586


 10.3935, 0.6665,
0.3202


 38.7084, 0.5693,
0.3531


 5.6606, 0.7077,
0.2923

 54.1336, 0.5461,
0.3567


 2.6398, 0.7518,
0.2482

 73.1927, 0.5262,
0.3586

 0.9467, 0.8140,
0.1860

 96.2703, 0.5092,
0.3595

 0.0000, 1.0000,
0.0000


 123.7508, 0.4944,
0.3598


 0.0000, 0.0000,
0.0000


 156.0184, 0.4816,

0.3596


 193.4577, 0.4703,
0.3592


 17.2228, 0.6282,
0.3365


 17.2228, 0.6282,
0.3365


 16.9633, 0.6330,
0.3356


 18.6461, 0.6038,
0.3411


 20.9195, 0.5668,
0.3441


 24.1523, 0.5227,
0.3450


 28.4355, 0.4777,
0.3442

 33.8498, 0.4361,
0.3422

 40.4677, 0.4000,
0.3396

 48.3557, 0.3699,
0.3366

 57.5756, 0.3451,
0.3337

 68.1849, 0.3250,
0.3309

Harmonies

Analogous

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



17.2228, 0.5722, 0.2577



17.2228, 0.6282, 0.3365



17.2228, 0.5653, 0.4347

Triad

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



17.2228, 0.6282, 0.3365



17.2228, 0.1785, 0.5810



17.2228, 0.1311, 0.1153

Complementary

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



17.2228, 0.6282, 0.3365



48.8516, 0.2161, 0.2967

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.



17.2228, 0.0852, 0.1273



17.2228, 0.6282, 0.3365



17.2228, 0.0979, 0.3377

Square

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



17.2228, 0.6282, 0.3365



17.2228, 0.3023, 0.6615



17.2228, 0.0738, 0.1857



17.2228, 0.2302, 0.1345

Rectangle

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



17.2228, 0.6282, 0.3365



17.2228, 0.4845, 0.5155



17.2228, 0.0738, 0.1857



17.2228, 0.1111, 0.1156

Sweetspot

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



17.2239, 0.6282, 0.3365



60.8632, 0.3752, 0.3372



20.8693, 0.3473, 0.1695



12.0690, 0.3879, 0.3385



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.



17.2239, 0.6282, 0.3365



22.0152, 0.6336, 0.3351



34.7145, 0.5091, 0.4321



14.6065, 0.3290, 0.3315



9.9718, 0.6315, 0.3368



0.8183, 0.6122, 0.3521

Inverse Universe

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



48.8516, 0.2161, 0.2967



63.0548, 0.2154, 0.2955



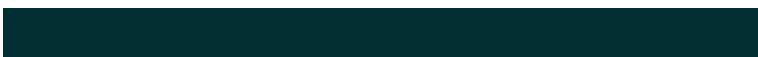
13.6809, 0.1697, 0.1290



16.0683, 0.2982, 0.3265



28.3906, 0.2156, 0.2963



2.1717, 0.2171, 0.3014

Previews

White Background



This preview shows how the Yxy color 17.2228, 0.6282, 0.3365 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 17.2228, 0.6282, 0.3365 looks on a 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 17.2228, 0.6282, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 17.2228, 0.6282, 0.3365.



This preview shows how white text looks on a background with the Yxy color 17.2228, 0.6282, 0.3365.

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

17.2228, 0.6282, 0.3365

Protanopia

17.6366, 0.4274, 0.4728

Deuteranopia

17.3549, 0.4710, 0.4642



Tritanopia

17.2233, 0.6213, 0.3318

Trichromacy



Original Color

17.2228, 0.6282, 0.3365

Protanomaly

14.6581, 0.5264, 0.4038

Deuteranomaly

15.1193, 0.5510, 0.3994

Tritanomaly

17.2019, 0.6245, 0.3337

Monochromacy



Original Color

17.2228, 0.6282, 0.3365

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3944, 0.4735, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2228, 0.6282, 0.3365 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(227, 29, 6)` looks like.

```
.text, #text, p{  
    color:rgb(227, 29, 6)  
}
```

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(227, 29, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 29, 6) }
```

Border

The CSS property to change the border of an element to Yxy 17.2228, 0.6282, 0.3365 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(227, 29, 6) }
```

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

```
.border{ border-color:rgb(227, 29, 6) }
```

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

Here you see how a box with a 4 pixel rgb(227, 29, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 29, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 29, 6);  
box-shadow:4px 4px 4px 4px rgb(227, 29, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2228, 0.6282, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 29, 6) }
```

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

```
.background{ background-color: rgb(227, 29,  
6) }
```

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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