

Converting Colors

$Y_{xy}(17.2778, 0.6036, 0.3366)$

Have a look what the booklet for
Yxy(17.2778, 0.6036, 0.3366)
contains.

Yxy(17.2778, 0.6036, 0.3366)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2778, 0.6036, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	DD2C20
RGB	221, 44, 32
RGB Percent	87%, 17%, 13%
CMY	0.1333, 0.8275, 0.8744
CMYK	0.00, 0.80, 0.86, 0.13
HSL	4°, 75%, 50%
HSV	4°, 86%, 87%
XYZ	30.9830, 17.2778, 3.0696
YIQ	95.5550, 109.3440, 33.7920

Conversions

Conversions Part 2

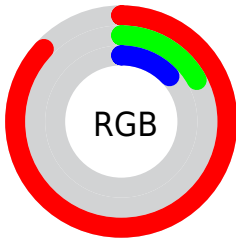
Format	Color
RYB	221, 45, 32
Decimal	14494752
CIELab	48.61, 65.63, 50.52
CIElCh	49, 82.823, 37.591
Yxy	17.2778, 0.6036, 0.3366
Android (android.graphics.Color)	4292684832 (0xFFDD2C20)
YUV	95.5550, -31.3326, 110.0153
Hunter-Lab	41.5666, 60.3093, 24.7182

Details

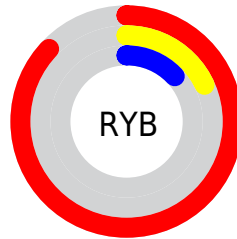
The Yxy color **17.2778, 0.6036, 0.3366** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **51.1475, 0.2223, 0.3119**, and the grayscale version is **11.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3546, 0.5234, 0.3532**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0199, 0.6290, 0.3338**, and if you desaturate by 10%, it is **19.3865, 0.5649, 0.3384**.

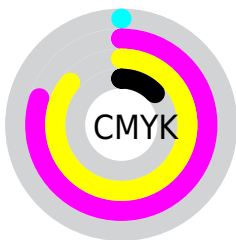
Distribution



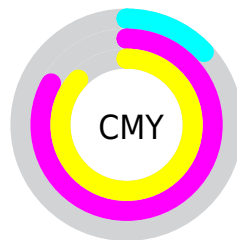
- Red (87%)
- Green (17%)
- Blue (13%)



- Red (87%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (86%)
- Black (13%)




- Cyan (13%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2778, 0.6036, 0.3366 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 17.2778, 0.6036, 0.3366 by changing the saturation by 10% instead.


 17.2778, 0.6036,
0.3366


 17.2778, 0.6036,
0.3366


236.7682, 0.4437,
0.3522


 10.4328, 0.6420,
0.3230

 38.8028, 0.5449,
0.3490

 5.6868, 0.6964,
0.3036

 54.2515, 0.5227,
0.3515


 2.6556, 0.7394,
0.2606

 73.3370, 0.5040,
0.3527

 0.9547, 0.8012,
0.1988

 96.4435, 0.4881,
0.3533

 0.0000, 1.0000,
0.0000

 123.9555, 0.4746,
0.3533

 0.0000, 0.0000,
0.0000


 156.2573, 0.4628,

0.3531


 193.7334, 0.4526,
0.3527

 17.2778, 0.6036,
0.3366


 17.2778, 0.6036,
0.3366

 16.0199, 0.6290,
0.3338


 19.3865, 0.5649,
0.3384


 15.6880, 0.6363,
0.3330

 22.4576, 0.5193,
0.3389


 26.5889, 0.4734,
0.3383


 31.8656, 0.4314,
0.3370

 38.3641, 0.3955,
0.3352

 46.1542, 0.3657,
0.3334

 55.3004, 0.3414,
0.3316

 65.8631, 0.3218,
0.3299

 77.8988, 0.3060,
0.3283

Harmonies

Analogous

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



17.2778, 0.5343, 0.2590



17.2778, 0.6036, 0.3366



17.2778, 0.5603, 0.4272

Triad

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



17.2778, 0.6036, 0.3366



17.2778, 0.2055, 0.5673



17.2778, 0.1373, 0.1286

Complementary

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



17.2778, 0.6036, 0.3366



51.1475, 0.2223, 0.3119

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.



17.2778, 0.0961, 0.1451



17.2778, 0.6036, 0.3366



17.2778, 0.1201, 0.3603

Square

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



17.2778, 0.6036, 0.3366



17.2778, 0.3265, 0.6262



17.2778, 0.0890, 0.2097



17.2778, 0.2259, 0.1442

Rectangle

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



17.2778, 0.6036, 0.3366



17.2778, 0.4955, 0.5023



17.2778, 0.0890, 0.2097



17.2778, 0.1192, 0.1302

Sweetspot

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



17.2789, 0.6036, 0.3366



63.0170, 0.3675, 0.3335



21.1391, 0.3316, 0.1662



12.6481, 0.3774, 0.3342



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.



17.2789, 0.6036, 0.3366



21.6352, 0.6368, 0.3326



33.0762, 0.5007, 0.4259



13.1832, 0.3290, 0.3305



9.1689, 0.6351, 0.3339



0.6417, 0.6208, 0.3453

Inverse Universe

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



51.1475, 0.2223, 0.3119



68.8619, 0.2191, 0.3087



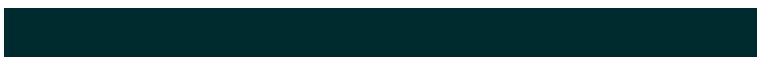
18.2658, 0.1834, 0.1673



14.6809, 0.2982, 0.3275



29.0195, 0.2192, 0.3092



1.9236, 0.2202, 0.3126

Previews

White Background



This preview shows how the Yxy color 17.2778, 0.6036, 0.3366 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 17.2778, 0.6036, 0.3366 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 17.2778, 0.6036, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 17.2778, 0.6036, 0.3366.



This preview shows how white text looks on a background with the Yxy color 17.2778, 0.6036, 0.3366.

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

17.2778, 0.6036, 0.3366

Protanopia

17.3882, 0.4091, 0.4482

Deuteranopia

17.3549, 0.4710, 0.4642



Tritanopia

17.2671, 0.5952, 0.3305

Trichromacy



Original Color

17.2778, 0.6036, 0.3366

Protanomaly

15.1681, 0.4949, 0.3953

Deuteranomaly

15.6808, 0.5373, 0.4041

Tritanomaly

17.2398, 0.5991, 0.3328

Monochromacy



Original Color

17.2778, 0.6036, 0.3366

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4515, 0.4362, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2778, 0.6036, 0.3366 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(221, 44, 32)` looks like.

```
.text, #text, p{  
  color:rgb(221, 44, 32)  
}
```

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(221, 44, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 44, 32) }
```

Border

The CSS property to change the border of an element to Yxy 17.2778, 0.6036, 0.3366 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(221, 44, 32) }
```

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

```
.border{ border-color:rgb(221, 44, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 44, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 44, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 44, 32);  
box-shadow:4px 4px 4px 4px rgb(221, 44,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2778, 0.6036, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 44, 32) }
```

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

```
.background{ background-color: rgb(221, 44,  
32) }
```

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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