

Converting Colors

$Yxy(16.9886, 0.5503, 0.2805)$

Have a look what the booklet for
Yxy(16.9886, 0.5503, 0.2805)
contains.

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Color

Yxy(17.0028, 0.5497, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	E30056
RGB	227, 0, 86
RGB Percent	89%, 0%, 34%
CMY	0.1098, 0.9996, 0.6629
CMYK	0.00, 1.00, 0.62, 0.11
HSL	337°, 100%, 45%
HSV	337°, 100%, 89%
XYZ	33.3563, 17.0028, 10.3218
YIQ	77.6770, 107.6860, 74.8700

Conversions

Conversions Part 2

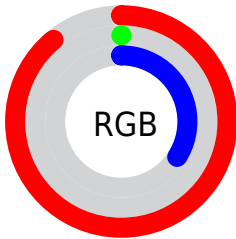
Format	Color
R_{YB}	227, 0, 86
Decimal	14876758
CIE _{Lab}	48.26, 75.68, 19.61
CIE _{LCh}	48, 78.182, 14.523
Yxy	17.0028, 0.5497, 0.2802
Android (android.graphics.Color)	4293066838 (0xFFE30056)
YUV	77.6770, 4.1032, 130.9563
Hunter-Lab	41.2345, 72.2360, 14.0226

Details

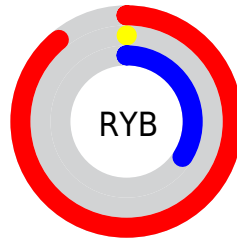
The Yxy color **17.0028, 0.5497, 0.2802** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **56.8631, 0.2611, 0.4598**, and the grayscale version is **7.5431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6636, 0.4649, 0.2884**, and **7.9537, 0.5883, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **17.0004, 0.5498, 0.2803**, and if you desaturate by 10%, it is **17.8569, 0.5206, 0.2711**.

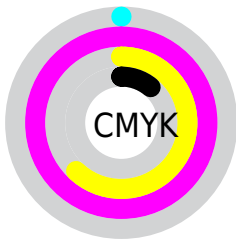
Distribution



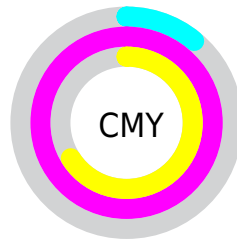
- Red (89%)
- Green (0%)
- Blue (34%)



- Red (89%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0028, 0.5497, 0.2802 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 17.0028, 0.5497, 0.2802 by changing the saturation by 10% instead.


 17.0028, 0.5497,
0.2802


 17.0028, 0.5497,
0.2802

235.1885, 0.4132,
0.3146


 10.2365, 0.5890,
0.2673


 38.3306, 0.4959,
0.2957


 5.5560, 0.6416,
0.2477

 53.6609, 0.4769,
0.3006


 2.5771, 0.7132,
0.2169

 72.6146, 0.4614,
0.3043

 0.9151, 0.8296,
0.1704

 95.5761, 0.4484,
0.3073

 0.0000, 1.0000,
0.0000

 122.9299, 0.4375,
0.3097

 0.0000, 0.0000,
0.0000

 155.0603, 0.4282,

0.3116

192.3517, 0.4202,
0.3132

■ 17.0028, 0.5497,
0.2802

■ 17.0028, 0.5497,
0.2802

■ 17.0004, 0.5498,
0.2803

■ 17.8569, 0.5206,
0.2711

■ 19.4650, 0.4888,
0.2666

■ 22.0557, 0.4565,
0.2673

■ 25.7614, 0.4259,
0.2721

■ 30.6937, 0.3983,
0.2798

■ 36.9504, 0.3745,
0.2893

■ 44.6195, 0.3544,
0.2994

■ 53.7811, 0.3377,
0.3097

■ 64.5096, 0.3239,
0.3197

Harmonies

Analogous

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



17.0028, 0.4090, 0.2091



17.0028, 0.5497, 0.2802



17.0028, 0.5909, 0.3587

Triad

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



17.0028, 0.5497, 0.2802



17.0028, 0.3020, 0.6157



17.0028, 0.1087, 0.1446

Complementary

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



17.0028, 0.5497, 0.2802



56.8631, 0.2611, 0.4598

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.



17.0028, 0.0946, 0.1953



17.0028, 0.5497, 0.2802



17.0028, 0.1881, 0.5131

Square

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



17.0028, 0.5497, 0.2802



17.0028, 0.4252, 0.5576



17.0028, 0.1162, 0.3185



17.0028, 0.1586, 0.1359

Rectangle

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



17.0028, 0.5497, 0.2802



17.0028, 0.5603, 0.4180



17.0028, 0.1162, 0.3185



17.0028, 0.1004, 0.1557

Sweetspot

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



17.0039, 0.5497, 0.2802



57.8272, 0.3548, 0.2992



11.1254, 0.2258, 0.1018



11.4252, 0.3630, 0.2948



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.



17.0039, 0.5497, 0.2802



22.1138, 0.5514, 0.2811



17.0950, 0.6315, 0.3367



14.4578, 0.3233, 0.3201



9.9361, 0.5459, 0.2781



0.7519, 0.5063, 0.2563

Inverse Universe

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



17.0039, 0.5497, 0.2802



22.1138, 0.5514, 0.2811



47.0986, 0.2143, 0.2913



14.4578, 0.3233, 0.3201



9.9361, 0.5459, 0.2781



0.7519, 0.5063, 0.2563

Previews

White Background



This preview shows how the Yxy color 17.0028, 0.5497, 0.2802 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 17.0028, 0.5497, 0.2802 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 17.0028, 0.5497, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 17.0028, 0.5497, 0.2802.



This preview shows how white text looks on a background with the Yxy color 17.0028, 0.5497, 0.2802.

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

17.0028, 0.5497, 0.2802

Protanopia

17.7101, 0.3011, 0.3098

Deuteranopia

17.4661, 0.3997, 0.3921



Tritanopia

17.3139, 0.6107, 0.3313

Trichromacy



Original Color

17.0028, 0.5497, 0.2802



Protanomaly

13.1132, 0.3907, 0.2692



Deuteranomaly

13.8563, 0.4735, 0.3168



Tritanomaly

16.9905, 0.5966, 0.3141

Monochromacy



Original Color

17.0028, 0.5497, 0.2802



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.7808, 0.4250, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0028, 0.5497, 0.2802 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, 0, 86)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 86)  
}
```

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, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 86) }
```

Border

The CSS property to change the border of an element to Yxy 17.0028, 0.5497, 0.2802 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, 0, 86) }
```

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

```
.border{ border-color:rgb(227, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0028, 0.5497, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 86) }
```

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

```
.background{ background-color: rgb(227, 0,  
86) }
```

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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