

Converting Colors

$Yxy(17.4463, 0.5478, 0.2792)$

Have a look what the booklet for
Yxy(17.4463, 0.5478, 0.2792)
contains.

Yxy(17.3626, 0.5476, 0.2790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3626, 0.5476, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	E50058
RGB	229, 0, 88
RGB Percent	90%, 0%, 35%
CMY	0.1019, 1.0000, 0.6548
CMYK	0.00, 1.00, 0.62, 0.10
HSL	337°, 100%, 45%
HSV	337°, 100%, 90%
XYZ	34.0780, 17.3626, 10.7909
YIQ	78.5030, 108.2360, 75.9160

Conversions

Conversions Part 2

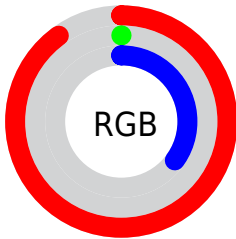
Format	Color
R_{YB}	229, 0, 88
Decimal	15007832
CIE Lab	48.71, 76.27, 19.02
CIE LCh	49, 78.605, 14.004
Yxy	17.3626, 0.5476, 0.2790
Android (android.graphics.Color)	4293197912 (0xFFE50058)
YUV	78.5030, 4.6820, 131.9859
Hunter-Lab	41.6685, 73.0641, 13.8135

Details

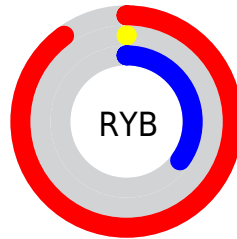
The Yxy color **17.3626, 0.5476, 0.2790** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **57.9682, 0.2617, 0.4621**, and the grayscale version is **7.6953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8948, 0.4617, 0.2872**, and **8.1812, 0.5856, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **17.3648, 0.5476, 0.2790**, and if you desaturate by 10%, it is **18.2304, 0.5187, 0.2700**.

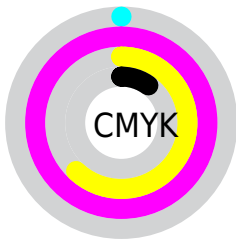
Distribution



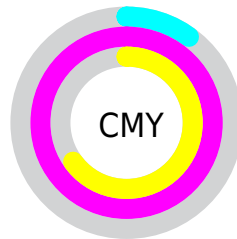
- Red (90%)
- Green (0%)
- Blue (35%)



- Red (90%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3626, 0.5476, 0.2790 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 17.3626, 0.5476, 0.2790 by changing the saturation by 10% instead.


 17.3626, 0.5476,
0.2790


 17.3626, 0.5476,
0.2790


237.2534, 0.4127,
0.3137


 10.4934, 0.5864,
0.2662


 38.9482, 0.4945,
0.2945


 5.7273, 0.6381,
0.2469

 54.4333, 0.4757,
0.2994


 2.6800, 0.7085,
0.2166

 73.5591, 0.4604,
0.3032

 0.9670, 0.8277,
0.1723

 96.7101, 0.4476,
0.3062

 0.0000, 1.0000,
0.0000

 124.2706, 0.4368,
0.3087

 0.0000, 0.0000,
0.0000

 156.6251, 0.4276,

0.3107

194.1579, 0.4196,
0.3123

■ 17.3626, 0.5476,
0.2790

■ 17.3626, 0.5476,
0.2790

■ 17.3648, 0.5476,
0.2790

■ 18.2304, 0.5187,
0.2700

■ 19.8645, 0.4872,
0.2655

■ 22.5000, 0.4552,
0.2662

■ 26.2723, 0.4249,
0.2711

■ 31.2954, 0.3977,
0.2790

■ 37.6694, 0.3741,
0.2886

■ 45.4842, 0.3541,
0.2989

■ 54.8217, 0.3375,
0.3094

■ 65.7577, 0.3239,
0.3195

Harmonies

Analogous

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



17.3626, 0.4060, 0.2081



17.3626, 0.5476, 0.2790



17.3626, 0.5909, 0.3573

Triad

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



17.3626, 0.5476, 0.2790



17.3626, 0.3042, 0.6154



17.3626, 0.1084, 0.1453

Complementary

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



17.3626, 0.5476, 0.2790



57.9682, 0.2617, 0.4621

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.



17.3626, 0.0948, 0.1969



17.3626, 0.5476, 0.2790



17.3626, 0.1901, 0.5159

Square

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



17.3626, 0.5476, 0.2790



17.3626, 0.4272, 0.5555



17.3626, 0.1172, 0.3215



17.3626, 0.1575, 0.1360

Rectangle

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



17.3626, 0.5476, 0.2790



17.3626, 0.5613, 0.4164



17.3626, 0.1172, 0.3215



17.3626, 0.1003, 0.1567

Sweetspot

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



17.3648, 0.5476, 0.2790



57.8493, 0.3544, 0.2987



11.0106, 0.2220, 0.0996



11.4304, 0.3625, 0.2943



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.



17.3648, 0.5476, 0.2790



22.1419, 0.5491, 0.2798



17.2688, 0.6334, 0.3353



14.4592, 0.3232, 0.3200



9.9490, 0.5436, 0.2768



0.7529, 0.5042, 0.2551

Inverse Universe

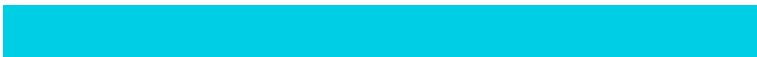
The Inverse Universe completely reimagines the original color for something new.



17.3648, 0.5476, 0.2790



22.1419, 0.5491, 0.2798



49.8537, 0.2158, 0.2968



14.4592, 0.3232, 0.3200



9.9490, 0.5436, 0.2768



0.7529, 0.5042, 0.2551

Previews

White Background



This preview shows how the Yxy color 17.3626, 0.5476, 0.2790 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 17.3626, 0.5476, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

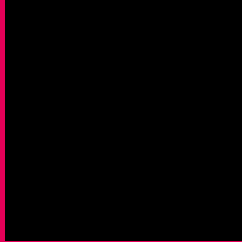
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3626, 0.5476, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 17.3626, 0.5476, 0.2790.



This preview shows how white text looks on a background with the Yxy color 17.3626, 0.5476, 0.2790.

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

17.3626, 0.5476, 0.2790

Protanopia

18.0206, 0.2977, 0.3061

Deuteranopia

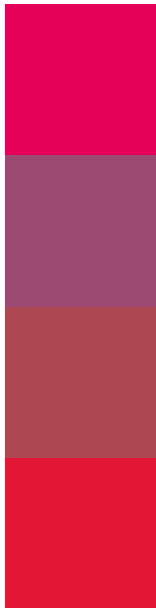
17.8011, 0.3977, 0.3900



Tritanopia

17.6428, 0.6105, 0.3309

Trichromacy



Original Color

17.3626, 0.5476, 0.2790

Protanomaly

13.2806, 0.3868, 0.2649

Deuteranomaly

13.9999, 0.4712, 0.3140

Tritanomaly

17.3248, 0.5962, 0.3137

Monochromacy



Original Color

17.3626, 0.5476, 0.2790

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.9587, 0.4262, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3626, 0.5476, 0.2790 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(229, 0, 88)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 88)  
}
```

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(229, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 88) }
```

Border

The CSS property to change the border of an element to Yxy 17.3626, 0.5476, 0.2790 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(229, 0, 88) }
```

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

```
.border{ border-color:rgb(229, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3626, 0.5476, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 88) }
```

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

```
.background{ background-color: rgb(229, 0,  
88) }
```

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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