

Converting Colors

$Y_{xy}(17.1948, 0.5288, 0.2687)$

Have a look what the booklet for
Yxy(17.1948, 0.5288, 0.2687)
contains.

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Color

Yxy(17.1940, 0.5297, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	E30061
RGB	227, 0, 97
RGB Percent	89%, 0%, 38%
CMY	0.1099, 0.9993, 0.6196
CMYK	0.00, 1.00, 0.57, 0.11
HSL	334°, 100%, 45%
HSV	334°, 100%, 89%
XYZ	33.8323, 17.1940, 12.8444
YIQ	78.9310, 104.1550, 78.2910

Conversions

Conversions Part 2

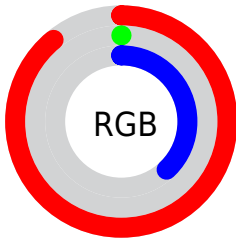
Format	Color
R_YB	227, 0, 97
Decimal	14876769
CIE Lab	48.50, 76.32, 13.13
CIE LCh	49, 77.440, 9.758
Yxy	17.1940, 0.5297, 0.2692
Android (android.graphics.Color)	4293066849 (0xFFE30061)
YUV	78.9310, 8.9080, 129.8565
Hunter-Lab	41.4656, 73.0754, 10.6603

Details

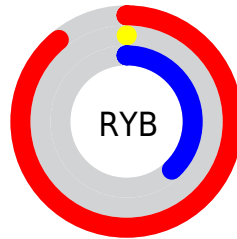
The Yxy color **17.1940, 0.5297, 0.2692** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **56.5462, 0.2659, 0.4772**, and the grayscale version is **7.7925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1953, 0.4479, 0.2771**, and **8.1315, 0.5701, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **17.1893, 0.5299, 0.2693**, and if you desaturate by 10%, it is **18.0620, 0.5023, 0.2608**.

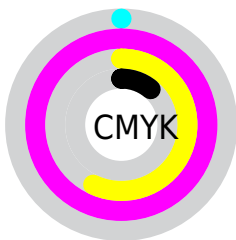
Distribution



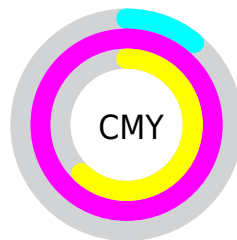
- Red (89%)
- Green (0%)
- Blue (38%)



- Red (89%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (11%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1940, 0.5297, 0.2692 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 17.1940, 0.5297, 0.2692 by changing the saturation by 10% instead.


 17.1940, 0.5297,
0.2692


 17.1940, 0.5297,
0.2692


236.2879, 0.4047,
0.3075


 10.3729, 0.5662,
0.2562


 38.6590, 0.4802,
0.2855


 5.6469, 0.6157,
0.2372

 54.0718, 0.4629,
0.2909

 2.6316, 0.6848,
0.2080

 73.1171, 0.4487,
0.2952

 0.9426, 0.8135,
0.1674

 96.1796, 0.4369,
0.2986

 0.0000, 1.0000,
0.0000

 123.6435, 0.4269,
0.3014

 0.0000, 0.0000,
0.0000

 155.8932, 0.4185,

0.3038

193.3132, 0.4111,
0.3058

■ 17.1940, 0.5297,
0.2692

■ 17.1940, 0.5297,
0.2692

■ 17.1893, 0.5299,
0.2693

■ 18.0620, 0.5023,
0.2608

■ 19.6795, 0.4732,
0.2572

■ 22.2738, 0.4439,
0.2588

■ 25.9764, 0.4162,
0.2647

■ 30.8985, 0.3913,
0.2736

■ 37.1374, 0.3696,
0.2843

■ 44.7806, 0.3512,
0.2958

■ 53.9080, 0.3358,
0.3073

■ 64.5933, 0.3231,
0.3185

Harmonies

Analogous

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



17.1940, 0.3824, 0.2005



17.1940, 0.5297, 0.2692



17.1940, 0.5892, 0.3464

Triad

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



17.1940, 0.5297, 0.2692



17.1940, 0.3223, 0.6109



17.1940, 0.1059, 0.1510

Complementary

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



17.1940, 0.5297, 0.2692



56.5462, 0.2659, 0.4772

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.



17.1940, 0.0971, 0.2106



17.1940, 0.5297, 0.2692



17.1940, 0.2060, 0.5378

Square

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



17.1940, 0.5297, 0.2692



17.1940, 0.4439, 0.5400



17.1940, 0.1258, 0.3467



17.1940, 0.1493, 0.1368

Rectangle

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



17.1940, 0.5297, 0.2692



17.1940, 0.5687, 0.4035



17.1940, 0.1258, 0.3467



17.1940, 0.0994, 0.1646

Sweetspot

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



17.1951, 0.5297, 0.2692



58.0112, 0.3516, 0.2955



10.1927, 0.2148, 0.0957



11.4683, 0.3591, 0.2906



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.



17.1951, 0.5297, 0.2692



22.3610, 0.5314, 0.2701



16.6787, 0.6360, 0.3331



14.4696, 0.3226, 0.3190



10.0488, 0.5262, 0.2672



0.7609, 0.4890, 0.2467

Inverse Universe

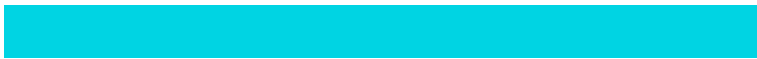
The Inverse Universe completely reimagines the original color for something new.



17.1951, 0.5297, 0.2692



22.3610, 0.5314, 0.2701



52.5647, 0.2188, 0.3078



14.4696, 0.3226, 0.3190



10.0488, 0.5262, 0.2672



0.7609, 0.4890, 0.2467

Previews

White Background



This preview shows how the Yxy color 17.1940, 0.5297, 0.2692 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 17.1940, 0.5297, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

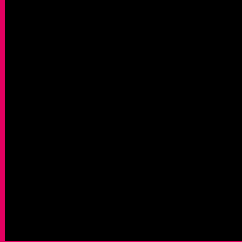
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1940, 0.5297, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 17.1940, 0.5297, 0.2692.



This preview shows how white text looks on a background with the Yxy color 17.1940, 0.5297, 0.2692.

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

17.1940, 0.5297, 0.2692

Protanopia

17.8586, 0.2802, 0.2821

Deuteranopia

17.6797, 0.3816, 0.3749



Tritanopia

17.5922, 0.6041, 0.3310

Trichromacy



Original Color

17.1940, 0.5297, 0.2692



Protanomaly

13.2483, 0.3630, 0.2469



Deuteranomaly

13.8079, 0.4504, 0.3002



Tritanomaly

17.1798, 0.5864, 0.3100

Monochromacy



Original Color

17.1940, 0.5297, 0.2692



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.9396, 0.4149, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1940, 0.5297, 0.2692 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 97) }
```

Border

The CSS property to change the border of an element to Yxy 17.1940, 0.5297, 0.2692 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, 97) }
```

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

```
.border{ border-color:rgb(227, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.1940, 0.5297, 0.2692 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, 97) }
```

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

```
.background{ background-color: rgb(227, 0,  
97) }
```

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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