

Converting Colors

YUV(87.0380, 33.5053,
127.1317)

Have a look what the booklet for
YUV(87.0380, 33.5053, 127.1317)
contains.

YUV(87.0380, 33.5053, 127.1317)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(87.0380, 33.5053,
127.1317)**

Conversions

Conversions Part 1

Format	Color
Hex	E8009B
RGB	232, 0, 155
RGB Percent	91%, 0%, 61%
CMY	0.0902, 1.0000, 0.3922
CMYK	0.00, 1.00, 0.33, 0.09
HSL	320°, 100%, 45%
HSV	320°, 100%, 91%
XYZ	39.1951, 19.5224, 32.7127
YIQ	87.0380, 88.5170, 97.3890

Conversions

Conversions Part 2

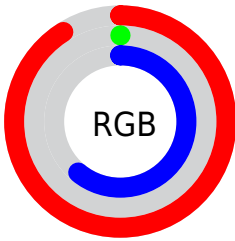
Format	Color
R_{YB}	232, 0, 155
Decimal	15204507
CIE _{Lab}	51.29, 82.11, -17.93
CIE _{LCh}	51, 84.044, 347.682
Yxy	19.5224, 0.4287, 0.2135
Android (android.graphics.Color)	4293394587 (0xFFE8009B)
YUV	87.0380, 33.5053, 127.1317
Hunter-Lab	44.1841, 81.0226, -12.9678

Details

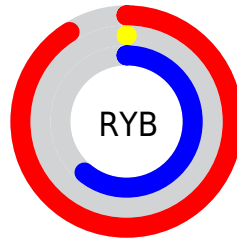
The YUV color **87.0380, 33.5053, 127.1317** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **144.9620, -33.5053, -127.1317**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.5370, 26.3573, 86.3521**, and **62.9850, 20.2204, 94.7292** is the 20% darker color. If you saturate the color by 10%, you get **87.0380, 33.5053, 127.1317**, and if you desaturate by 10%, it is **101.4510, 30.3437, 114.4915**.

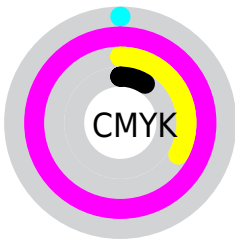
Distribution



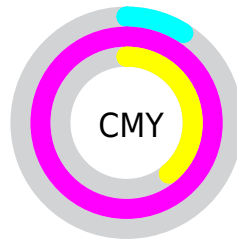
- Red (91%)
- Green (0%)
- Blue (61%)



- Red (91%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the YUV color 87.0380, 33.5053, 127.1317 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 YUV color 87.0380, 33.5053, 127.1317 by changing the saturation by 10% instead.


 87.0380, 33.5053,
127.1317


 87.0380, 33.5053,
127.1317


255.0000, 0.0000,
0.0000


 74.8050, 26.7181,
110.6730

 156.5370, 26.3573,
86.3521


 62.9850, 20.2204,
94.7292

 177.9260, 29.6165,
67.5939


 50.9800, 14.3069,
78.0705


 198.0610, 28.0709,
49.9355

 39.5730, 8.0985,
62.6415

 215.6710, 19.3892,
34.4915

 28.5080, 3.2006,
46.9125

 233.8680, 10.4181,
18.5328

 16.8730, -3.8814,
31.6834

 251.4780, 1.7363,

 1.1960, -0.5896,

3.0888

2.4591

■ 0.0000, 0.0000,
0.0000

■ 87.0380, 33.5053,
127.1317

■ 101.4510, 30.3437,
114.4915

■ 115.7500, 26.7453,
101.9513

■ 130.7500, 23.2942,
88.7963

■ 145.1630, 20.1326,
76.1560

■ 159.5760, 16.9710,
63.5158

■ 173.8750, 13.3726,
50.9756

■ 188.2880, 10.2110,
38.3354

■ 203.2880, 6.7600,
25.1804

■ 217.5870, 3.1616,
12.6402

Harmonies

Analogous

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



122.6040, 48.0162, 45.9513



87.0380, 33.5053, 127.1317



82.2330, 0.8711, 140.9927

Triad

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



87.0380, 33.5053, 127.1317



110.0750, -54.2670, -0.9428



114.0420, 56.1813, -100.0148

Complementary

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



87.0380, 33.5053, 127.1317



144.9620, -33.5053, -127.1317

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.



107.9200, 27.6474, -94.6458



87.0380, 33.5053, 127.1317



84.5280, -41.6723, -74.1311

Square

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



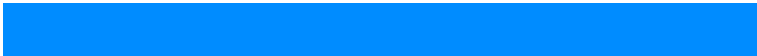
87.0380, 33.5053, 127.1317



115.1230, -56.7556, 50.7581



98.1960, -4.5336, -86.1179



111.2500, 70.8688, -97.5662

Rectangle

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



87.0380, 33.5053, 127.1317



103.8110, -32.9378, 111.5448



98.1960, -4.5336, -86.1179



112.4630, 47.5927, -98.6301

Sweetspot

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



87.0380, 33.5053, 127.1317



207.5380, 11.0738, 41.6242



48.2750, 90.5764, 21.6838



99.1740, 6.3232, 25.2804



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0380, 33.5053, 127.1317



95.6250, 36.6669, 139.7719



74.2700, -15.4161, 138.3292



107.5000, 1.7255, 6.5775



67.0870, 25.5931, 98.1477



19.1250, 7.3334, 27.9544

Inverse Universe

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



87.0380, 33.5053, 127.1317



95.6250, 36.6669, 139.7719



157.7300, 15.4161, -138.3292



107.5000, 1.7255, 6.5775



67.0870, 25.5931, 98.1477



19.1250, 7.3334, 27.9544

Previews

White Background



This preview shows how the YUV color 87.0380, 33.5053, 127.1317 looks on a white background.

Color Contrast Check

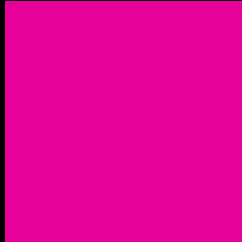
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 87.0380, 33.5053, 127.1317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

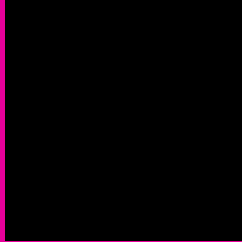
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YUV 87.0380, 33.5053, 127.1317

Background



This preview shows how black text looks on a background with the YUV color 87.0380, 33.5053, 127.1317.



This preview shows how white text looks on a background with the YUV color 87.0380, 33.5053,

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

87.0380, 33.5053, 127.1317

Protanopia

118.9450, 50.3131, -37.6628

Deuteranopia

125.1170, 9.3093, 0.7744



Tritanopia

110.6770, -23.0118, 101.1383

Trichromacy



Original Color

87.0380, 33.5053, 127.1317



Protanomaly

107.4240, 44.1610, 22.4302



Deuteranomaly

111.4060, 18.0408, 47.0019



Tritanomaly

102.1230, -2.5256, 110.3941

Monochromacy



Original Color

87.0380, 33.5053, 127.1317



Achromatopsia

87.0000, 0.0000, 0.0000



Achromatomaly

86.9130, 12.3679, 46.5573

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.0380, 33.5053, 127.1317 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(232, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 155)  
}
```

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(232, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 155) }
```

Border

The CSS property to change the border of an element to YUV 87.0380, 33.5053, 127.1317 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(232, 0, 155) }
```


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

```
.border{ border-color:rgb(232, 0, 155) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
155) }
```

Background

The CSS property to change the background color of an element to YUV 87.0380, 33.5053, 127.1317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 155) }
```

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

```
.background{ background-color: rgb(232, 0,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor