

Converting Colors

YIQ(87.0220, 101.5000, 54.8120)

Have a look what the booklet for
YIQ(87.0220, 101.5000, 54.8120)
contains.

YIQ(87.0220, 101.5000, 54.8120)	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

**YIQ(87.0220, 101.5000,
54.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	DA1844
RGB	218, 24, 68
RGB Percent	85%, 9%, 27%
CMY	0.1446, 0.9061, 0.7330
CMYK	0.00, 0.89, 0.69, 0.14
HSL	346°, 80%, 47%
HSV	346°, 89%, 86%
XYZ	30.3220, 15.9931, 6.9727
YIQ	87.0220, 101.5000, 54.8120

Conversions

Conversions Part 2

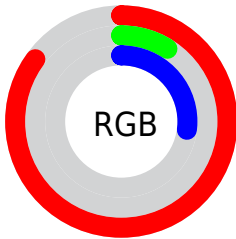
Format	Color
RYB	218, 24, 68
Decimal	14293060
CIELab	46.97, 70.24, 28.54
CIElCh	47, 75.822, 22.115
Yxy	15.9931, 0.5690, 0.3001
Android (android.graphics.Color)	4292483140 (0xFFDA1844)
YUV	87.0220, -9.3778, 114.8677
Hunter-Lab	39.9913, 65.3562, 17.6564

Details

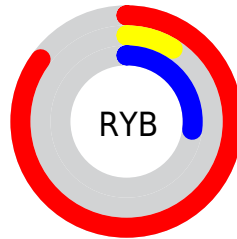
The YIQ color **87.0220, 101.5000, 54.8120** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **154.9780, -101.5000, -54.8120**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.8210, 88.3440, 39.9280**, and **49.3090, 84.0340, 40.9460** is the 20% darker color. If you saturate the color by 10%, you get **72.1700, 113.0070, 61.0310**, and if you desaturate by 10%, it is **101.8740, 89.9930, 48.5930**.

Distribution



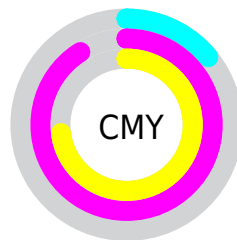
- Red (85%)
- Green (9%)
- Blue (27%)



- Red (85%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (89%)
- Yellow (69%)
- Black (14%)



- Cyan (14%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.0220, 101.5000, 54.8120 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 YIQ color 87.0220, 101.5000, 54.8120 by changing the saturation by 10% instead.

■ 87.0220, 101.5000,
54.8120

■ 87.0220, 101.5000,
54.8120

■ 255.0000, -0.0000,
-0.0000

■ 60.8580, 96.0900,
53.7380

■ 145.8210, 88.3440,
39.9280

■ 49.3090, 84.0340,
40.9460

■ 166.2810, 72.0690,
32.0130

■ 37.0760, 73.9040,
26.2880

■ 186.3820, 55.4270,
25.2430

■ 27.7360, 54.1900,
20.1260

■ 207.0700, 38.5100,
17.9500

■ 19.1790, 36.5850,
14.2890

■ 227.2850, 21.5470,
11.4910

■ 8.1870, 15.7710,
6.0350

■ 248.0870, 4.3090,

■ 0.0000, 0.0000,

4.5090

0.0000

■ 87.0220, 101.5000,
54.8120

■ 87.0220, 101.5000,
54.8120

■ 72.1700, 113.0070,
61.0310

■ 101.8740, 89.9930,
48.5930

■ 70.8820, 113.8780,
61.7660

■ 116.7260, 78.4860,
42.3740

■ 130.9910, 67.2540,
36.6780

■ 145.8430, 55.7470,
30.4590

■ 160.5810, 44.5610,
23.9290

■ 175.4330, 33.0540,
17.7100

■ 190.2850, 21.5470,
11.4910

■ 204.5500, 10.3150,
5.7950

■ 219.4020, -1.1920,
-0.4240

Harmonies

Analogous

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



84.4910, 82.1470, 80.6670



87.0220, 101.5000, 54.8120



99.6830, 96.0990, 3.9950

Triad

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



87.0220, 101.5000, 54.8120



79.4220, -41.7570, -63.7490



100.6210, -111.0940, 8.9540

Complementary

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



87.0220, 101.5000, 54.8120



154.9780, -101.5000, -54.8120

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.



103.4130, -105.1770, -4.6730



87.0220, 101.5000, 54.8120



90.9070, -67.2070, -43.0390

Square

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



87.0220, 101.5000, 54.8120



98.5240, 20.0900, -44.7260



99.0180, -88.6680, -23.0360



100.8590, -72.9970, 28.8830

Rectangle

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



87.0220, 101.5000, 54.8120



104.8120, 73.0860, -13.9700



99.0180, -88.6680, -23.0360



102.3990, -110.5890, 5.3070

Sweetspot

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



87.0220, 101.5000, 54.8120



208.4550, 35.9880, 19.6040



90.6670, 26.5300, 91.9220



100.2850, 21.5470, 11.4910



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.



87.0220, 101.5000, 54.8120



82.8570, 133.3620, 72.0980



112.5300, 101.3240, 13.9320



102.5170, 5.9140, 2.9540



56.1730, 90.5890, 48.8050



14.8940, 24.2060, 12.8620

Inverse Universe

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



87.0220, 101.5000, 54.8120



82.8570, 133.3620, 72.0980



129.4700, -101.3240, -13.9320



102.5170, 5.9140, 2.9540



56.1730, 90.5890, 48.8050



14.8940, 24.2060, 12.8620

Previews

White Background



This preview shows how the YIQ color 87.0220, 101.5000, 54.8120 looks on a white background.

Color Contrast Check

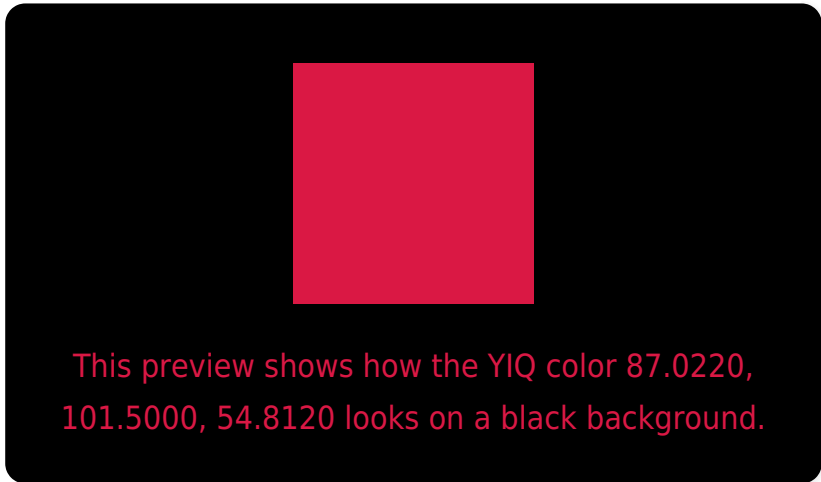
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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](#).

YIQ 87.0220, 101.5000, 54.8120

Background



This preview shows how black text looks on a background with the YIQ color 87.0220, 101.5000, 54.8120.

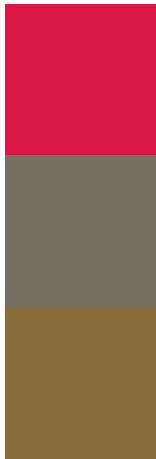


This preview shows how white text looks on a background with the YIQ color 87.0220, 101.5000,

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

87.0220, 101.5000, 54.8120

Protanopia

112.3120, 7.7490, -2.7710

Deuteranopia

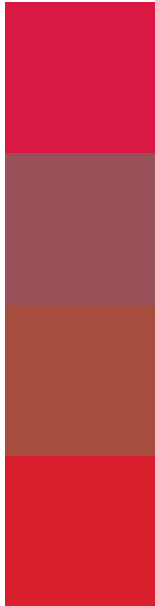
110.6830, 34.2050, -8.6670



Tritanopia

88.4890, 109.7100, 38.1740

Trichromacy



Original Color

87.0220, 101.5000, 54.8120

Protanomaly

103.0380, 41.5360, 18.1760

Deuteranomaly

102.2000, 58.4550, 14.4150

Tritanomaly

87.6230, 106.6370, 44.3090

Monochromacy



Original Color

87.0220, 101.5000, 54.8120

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0530, 37.1800, 20.0280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.0220, 101.5000, 54.8120 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(218, 24, 68)` looks like.

```
.text, #text, p{  
    color:rgb(218, 24, 68)  
}
```

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(218, 24, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 24, 68) }
```

Border

The CSS property to change the border of an element to YIQ 87.0220, 101.5000, 54.8120 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(218, 24, 68) }
```


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

```
.border{ border-color:rgb(218, 24, 68) }
```

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

Here you see how a box with a 4 pixel rgb(218, 24, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 24, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 24, 68);  
box-shadow:4px 4px 4px 4px rgb(218, 24,  
68) }
```

Background

The CSS property to change the background color of an element to YIQ 87.0220, 101.5000, 54.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 24, 68) }
```

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

```
.background{ background-color: rgb(218, 24,  
68) }
```

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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