

Converting Colors

YIQ(89.6850, 112.0940, 39.0220)

Have a look what the booklet for
YIQ(89.6850, 112.0940, 39.0220)
contains.

YIQ(89.6850, 112.0940, 39.0220)	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(89.6850, 112.0940,
39.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	DD2220
RGB	221, 34, 32
RGB Percent	87%, 13%, 13%
CMY	0.1329, 0.8669, 0.8741
CMYK	0.00, 0.85, 0.85, 0.13
HSL	1°, 75%, 50%
HSV	1°, 85%, 87%
XYZ	30.6853, 16.6344, 2.9681
YIQ	89.6850, 112.0940, 39.0220

Conversions

Conversions Part 2

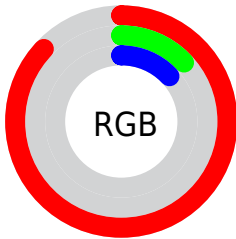
Format	Color
RYB	221, 34, 32
Decimal	14492192
CIELab	47.80, 68.02, 49.80
CIElCh	48, 84.304, 36.209
Yxy	16.6344, 0.6102, 0.3308
Android (android.graphics.Color)	4292682272 (0xFFDD2220)
YUV	89.6850, -28.4387, 115.1633
Hunter-Lab	40.7853, 62.9224, 24.2350

Details

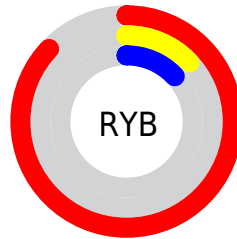
The YIQ color **89.6850, 112.0940, 39.0220** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **163.3150, -112.0940, -39.0220**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.5380, 98.8460, 25.8060**, and **46.6440, 92.9760, 33.0720** is the 20% darker color. If you saturate the color by 10%, you get **74.2630, 125.2060, 43.6860**, and if you desaturate by 10%, it is **105.1070, 98.9820, 34.3580**.

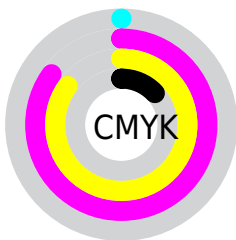
Distribution



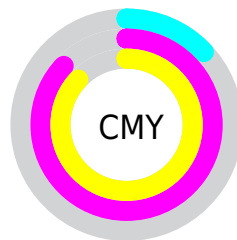
- Red (87%)
- Green (13%)
- Blue (13%)



- Red (87%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.6850, 112.0940, 39.0220 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 89.6850, 112.0940, 39.0220 by changing the saturation by 10% instead.


 89.6850, 112.0940,
39.0220


 89.6850, 112.0940,
39.0220


255.0000, -0.0000,
-0.0000


 57.4230, 110.0760,
42.5560


 144.5380, 98.8460,
25.8060


 46.6440, 92.9760,
33.0720


 164.4110, 82.8460,
18.4140


 37.0760, 73.9040,
26.2880


 184.3980, 66.5250,
11.3330

 27.9210, 55.1070,
20.0270

 204.3850, 50.2040,
4.2520

 19.4780, 37.1810,
14.5010

 225.0730, 33.2870,
-3.0410

 8.7850, 16.9630,
6.4590

 245.8750, 16.0490,

 0.0000, 0.0000,

-10.0230

0.0000

253.2900, 4.8150,
-4.6650

89.6850, 112.0940,
39.0220

89.6850, 112.0940,
39.0220

74.2630, 125.2060,
43.6860

105.1070, 98.9820,
34.3580

67.2530, 131.1660,
45.8060

120.5290, 85.8700,
29.6940

135.9510, 72.7580,
25.0300

151.4870, 59.3250,
20.6770

166.3220, 46.4880,
16.5360

■ 181.7440, 33.3760,
11.8720

■ 197.1660, 20.2640,
7.2080

■ 212.5880, 7.1520,
2.5440

■ 228.0100, -5.9600,
-2.1200

Harmonies

Analogous

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



81.2950, 106.1260, 81.1180



89.6850, 112.0940, 39.0220



105.4870, 84.5470, -6.9170

Triad

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



89.6850, 112.0940, 39.0220



87.2930, -54.2750, -57.1470



98.9230, -114.5800, 17.0680

Complementary

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



89.6850, 112.0940, 39.0220



163.3150, -112.0940, -39.0220

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.



107.7620, -116.0450, 5.0670



89.6850, 112.0940, 39.0220



97.8320, -79.8170, -34.7690

Square

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



89.6850, 112.0940, 39.0220



88.5580, -12.7810, -60.2450



105.8120, -102.2870, -12.9990



113.4900, -22.7050, 53.5750

Rectangle

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



89.6850, 112.0940, 39.0220



107.0500, 57.3160, -25.5320



105.8120, -102.2870, -12.9990



103.0320, -116.5050, 13.4070

Sweetspot

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



89.6850, 112.0940, 39.0220



208.7340, 39.3360, 13.9920



110.0570, 51.9750, 98.8470



99.9600, 23.8400, 8.4800



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.



89.6850, 112.0940, 39.0220



77.4190, 151.4300, 53.0140



144.2760, 86.5190, -9.6170



102.2890, 6.5560, 2.3320



52.9010, 102.5580, 35.6300



13.7540, 27.4160, 9.7520

Inverse Universe

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



163.3150, -112.0940, -39.0220



177.5810, -151.4300, -53.0140



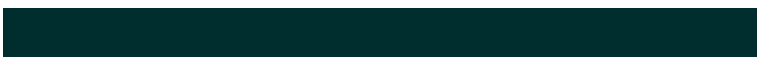
109.3110, -86.7940, 9.0940



106.7110, -6.5560, -2.3320



120.6860, -102.8330, -36.1530



31.6590, -27.1410, -9.2290

Previews

White Background



This preview shows how the YIQ color 89.6850, 112.0940, 39.0220 looks on a white background.

Color Contrast Check

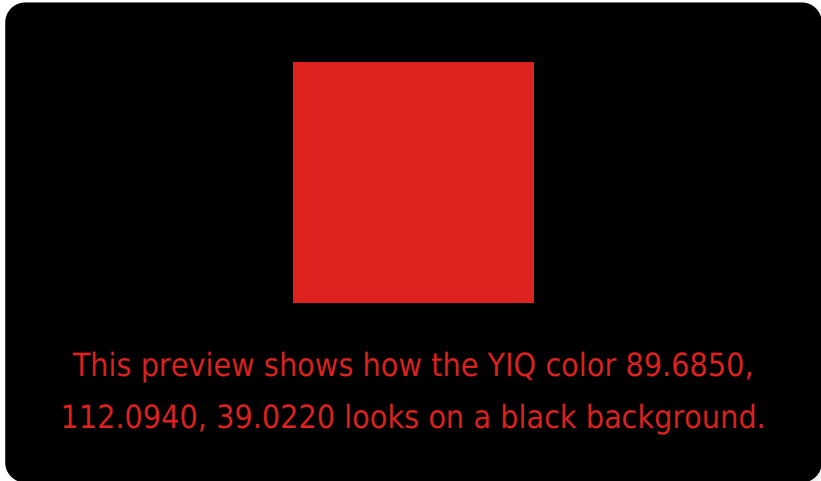
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.6850, 112.0940, 39.0220

Background



This preview shows how black text looks on a background with the YIQ color 89.6850, 112.0940, 39.0220.



This preview shows how white text looks on a background with the YIQ color 89.6850, 112.0940,

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

89.6850, 112.0940, 39.0220

Protanopia

110.7050, 27.9710, -16.8370

Deuteranopia

106.7510, 56.7200, -25.7440



Tritanopia

89.5710, 112.4150, 38.7110

Trichromacy



Original Color

89.6850, 112.0940, 39.0220

Protanomaly

103.0500, 58.4570, 3.3610

Deuteranomaly

100.6420, 76.9810, -1.9550

Tritanomaly

89.5710, 112.4150, 38.7110

Monochromacy



Original Color

89.6850, 112.0940, 39.0220

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

90.2180, 40.8490, 14.1050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.6850, 112.0940, 39.0220 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(221, 34, 32)` looks like.

```
.text, #text, p{  
    color:rgb(221, 34, 32)  
}
```

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(221, 34, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 34, 32) }
```

Border

The CSS property to change the border of an element to YIQ 89.6850, 112.0940, 39.0220 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(221, 34, 32) }
```


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

```
.border{ border-color:rgb(221, 34, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 34, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 34, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 34, 32);  
box-shadow:4px 4px 4px 4px rgb(221, 34,  
32) }
```

Background

The CSS property to change the background color of an element to YIQ 89.6850, 112.0940, 39.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 34, 32) }
```

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

```
.background{ background-color: rgb(221, 34,  
32) }
```

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