

Converting Colors

YIQ(89.9130, 111.4520, 39.6440)

Have a look what the booklet for
YIQ(89.9130, 111.4520, 39.6440)
contains.

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Color

**YIQ(89.9130, 111.4520,
39.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	DD2222
RGB	221, 34, 34
RGB Percent	87%, 13%, 13%
CMY	0.1329, 0.8669, 0.8662
CMYK	0.00, 0.85, 0.85, 0.13
HSL	360°, 73%, 50%
HSV	360°, 85%, 87%
XYZ	30.7135, 16.6457, 3.1161
YIQ	89.9130, 111.4520, 39.6440

Conversions

Conversions Part 2

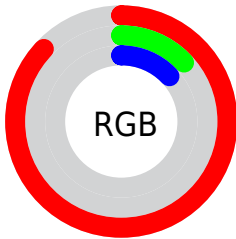
Format	Color
RYB	221, 34, 34
Decimal	14492194
CIELab	47.81, 68.07, 48.84
CIElCh	48, 83.776, 35.663
Yxy	16.6457, 0.6085, 0.3298
Android (android.graphics.Color)	4292682274 (0xFFDD2222)
YUV	89.9130, -27.5651, 114.9633
Hunter-Lab	40.7991, 62.9760, 24.0310

Details

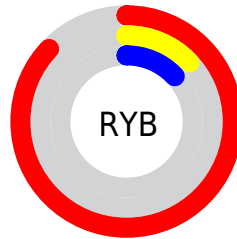
The YIQ color **89.9130, 111.4520, 39.6440** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **165.0870, -111.4520, -39.6440**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.7660, 98.2040, 26.4280**, and **46.6440, 92.9760, 33.0720** is the 20% darker color. If you saturate the color by 10%, you get **74.4910, 124.5640, 44.3080**, and if you desaturate by 10%, it is **105.3350, 98.3400, 34.9800**.

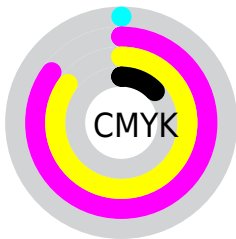
Distribution



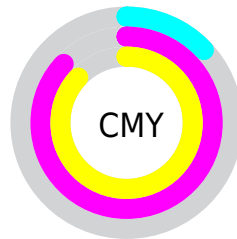
- Red (87%)
- Green (13%)
- Blue (13%)



- 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 89.9130, 111.4520, 39.6440 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 89.9130, 111.4520, 39.6440 by changing the saturation by 10% instead.


 89.9130, 111.4520,
39.6440


 89.9130, 111.4520,
39.6440


255.0000, -0.0000,
-0.0000


 57.7650, 109.1130,
43.4890


 144.7660, 98.2040,
26.4280


 46.9430, 93.5720,
33.2840


 164.6390, 82.2040,
19.0360


 37.0760, 73.9040,
26.2880


 184.6260, 65.8830,
11.9550

 27.9210, 55.1070,
20.0270

 204.6130, 49.5620,
4.8740

 19.4780, 37.1810,
14.5010

 225.3010, 32.6450,
-2.4190

 8.7850, 16.9630,
6.4590

 246.1030, 15.4070,

 0.0000, 0.0000,

-9.4010

0.0000

253.5180, 4.1730,
-4.0430

89.9130, 111.4520,
39.6440

89.9130, 111.4520,
39.6440

74.4910, 124.5640,
44.3080

105.3350, 98.3400,
34.9800

66.0790, 131.7160,
46.8520

120.7570, 85.2280,
30.3160

136.1790, 72.1160,
25.6520

151.6010, 59.0040,
20.9880

167.1370, 45.5710,
16.6350

■ 183.1460, 32.1840,
11.4480

■ 198.5680, 19.0720,
6.7840

■ 213.9900, 5.9600,
2.1200

■ 229.4120, -7.1520,
-2.5440

Harmonies

Analogous

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



81.2240, 104.8880, 81.5280



89.9130, 111.4520, 39.6440



105.1990, 85.4180, -6.1820

Triad

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



89.9130, 111.4520, 39.6440



87.1790, -53.9540, -57.4580



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.



89.9130, 111.4520, 39.6440



165.0870, -111.4520, -39.6440

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.



107.6480, -115.7240, 4.7560



89.9130, 111.4520, 39.6440



97.7180, -79.4960, -35.0800

Square

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



89.9130, 111.4520, 39.6440



89.7540, -10.3970, -59.3970



105.5840, -101.6450, -13.6210



113.4790, -24.1720, 52.6280

Rectangle

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



89.9130, 111.4520, 39.6440



106.7620, 58.1870, -24.7970



105.5840, -101.6450, -13.6210



103.0320, -116.5050, 13.4070

Sweetspot

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



89.9130, 111.4520, 39.6440



210.1360, 38.1440, 13.5680



110.3340, 49.6370, 97.1650



100.6610, 23.2440, 8.2680



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.



89.9130, 111.4520, 39.6440



76.2450, 151.9800, 54.0600



142.7430, 86.7020, -7.4260



102.2890, 6.5560, 2.3320



51.7270, 103.1080, 36.6760



13.7540, 27.4160, 9.7520

Inverse Universe

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



89.9130, 111.4520, 39.6440



76.2450, 151.9800, 54.0600



112.2570, -86.7020, 7.4260



102.2890, 6.5560, 2.3320



51.7270, 103.1080, 36.6760



13.7540, 27.4160, 9.7520

Previews

White Background



This preview shows how the YIQ color 89.9130, 111.4520, 39.6440 looks on a white background.

Color Contrast Check

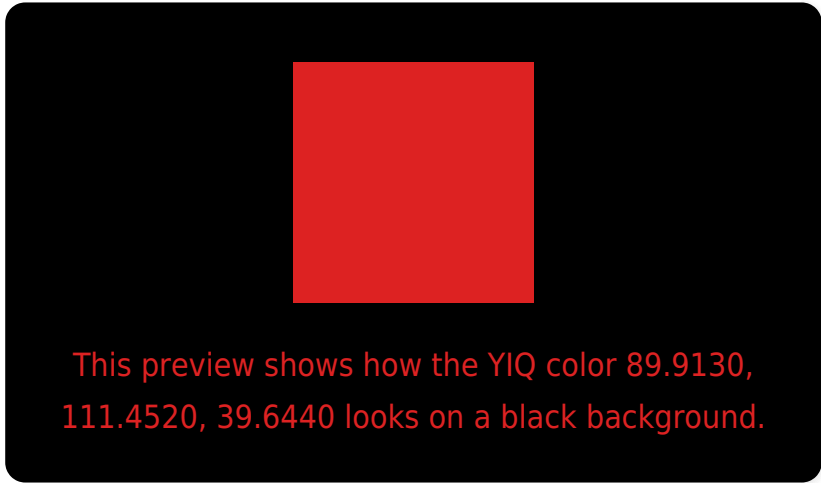
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.9130, 111.4520, 39.6440

Background



This preview shows how black text looks on a background with the YIQ color 89.9130, 111.4520, 39.6440.



This preview shows how white text looks on a background with the YIQ color 89.9130, 111.4520,

39.6440.

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

89.9130, 111.4520, 39.6440

Protanopia

111.5200, 27.0540, -16.7380

Deuteranopia

106.7510, 56.7200, -25.7440



Tritanopia

89.6850, 112.0940, 39.0220

Trichromacy



Original Color

89.9130, 111.4520, 39.6440

Protanomaly

103.8650, 57.5400, 3.4600

Deuteranomaly

100.6420, 76.9810, -1.9550

Tritanomaly

89.7990, 111.7730, 39.3330

Monochromacy



Original Color

89.9130, 111.4520, 39.6440

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

90.3320, 40.5280, 14.4160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.9130, 111.4520, 39.6440 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, 34)` looks like.

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

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, 34) colored shadow looks like.

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

Border

The CSS property to change the border of an element to YIQ 89.9130, 111.4520, 39.6440 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, 34) }
```


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

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

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, 34)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to YIQ 89.9130, 111.4520, 39.6440 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, 34) }
```

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

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

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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