

Converting Colors

YIQ(99.2220, 106.0880, 37.7360)

Have a look what the booklet for
YIQ(99.2220, 106.0880, 37.7360)
contains.

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Color

**YIQ(99.2220, 106.0880,
37.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	E02E2E
RGB	224, 46, 46
RGB Percent	88%, 18%, 18%
CMY	0.1211, 0.8198, 0.8192
CMYK	0.00, 0.80, 0.79, 0.12
HSL	360°, 74%, 53%
HSV	360°, 80%, 88%
XYZ	32.2433, 18.0108, 4.3729
YIQ	99.2220, 106.0880, 37.7360

Conversions

Conversions Part 2

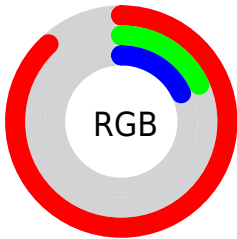
Format	Color
RYB	224, 46, 46
Decimal	14691886
CIELab	49.51, 66.35, 44.46
CIELCh	50, 79.864, 33.824
Yxy	18.0108, 0.5902, 0.3297
Android (android.graphics.Color)	4292881966 (0xFFE02E2E)
YUV	99.2220, -26.2384, 109.4303
Hunter-Lab	42.4391, 61.3475, 23.5982

Details

The YIQ color **99.2220, 106.0880, 37.7360** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **170.7780, -106.0880, -37.7360**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.8300, 92.1520, 25.9760**, and **47.8400, 95.3600, 33.9200** is the 20% darker color. If you saturate the color by 10%, you get **83.8000, 119.2000, 42.4000**, and if you desaturate by 10%, it is **114.6440, 92.9760, 33.0720**.

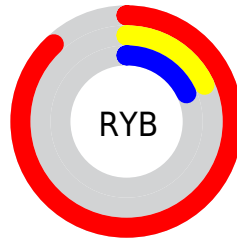
Distribution



Red (88%)

Green (18%)

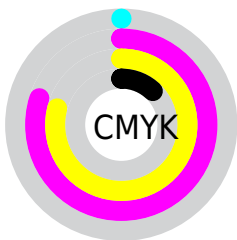
Blue (18%)



Red (88%)

Yellow (18%)

Blue (18%)

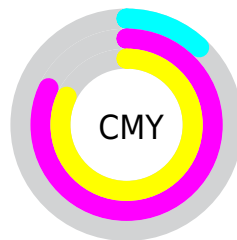


Cyan (0%)

Magenta (80%)

Yellow (79%)

Black (12%)



Cyan (12%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 99.2220, 106.0880, 37.7360 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 99.2220, 106.0880, 37.7360 by changing the saturation by 10% instead.


 99.2220, 106.0880,
37.7360


 99.2220, 106.0880,
37.7360


255.0000, -0.0000,
-0.0000


 60.1440, 106.7280,
48.1680


 150.2430, 92.4270,
26.4990


 47.8400, 95.3600,
33.9200


 170.1160, 76.4270,
19.1070


 38.2720, 76.2880,
27.1360


 190.1030, 60.1060,
12.0260

 29.0030, 57.8120,
20.5640

 210.7910, 43.1890,
4.7330

 20.6740, 39.5650,
15.3490

 230.8920, 26.5470,
-2.0370

 10.5790, 20.5390,
7.7310

 251.8080, 8.9880,

 0.0000, 0.0000,

-8.7080

0.0000

■ 99.2220, 106.0880,
37.7360

■ 99.2220, 106.0880,
37.7360

■ 83.8000, 119.2000,
42.4000

■ 114.6440, 92.9760,
33.0720

■ 67.6770, 132.9080,
47.2760

■ 130.7670, 79.2680,
28.1960


■ 66.9760, 133.5040,
47.4880


■ 146.1890, 66.1560,
23.5320


■ 162.3120, 52.4480,
18.6560

■ 177.7340, 39.3360,
13.9920

■ 193.1560, 26.2240,
9.3280

 209.2790, 12.5160,
4.4520

 224.7010, -0.5960,
-0.2120

 240.8240,
-14.3040, -5.0880

Harmonies

Analogous

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



82.1360, 102.3200, 84.0160



99.2220, 106.0880, 37.7360



109.3410, 87.8940, -7.0020

Triad

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



99.2220, 106.0880, 37.7360



89.2820, -55.7420, -58.0940



101.8580, -115.9550, 14.4530

Complementary

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



99.2220, 106.0880, 37.7360



170.7780, -106.0880, -37.7360

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.



109.5400, -115.5400, 1.4200



99.2220, 106.0880, 37.7360



99.9520, -80.2750, -37.4830

Square

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



99.2220, 106.0880, 37.7360



97.1960, 0.1020, -56.9380



107.5900, -101.7820, -16.6460



118.3920, -28.4810, 48.1190

Rectangle

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



99.2220, 106.0880, 37.7360



110.9150, 62.1300, -24.6700



107.5900, -101.7820, -16.6460



105.9670, -117.8800, 10.7920

Sweetspot

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



99.2220, 106.0880, 37.7360



212.2390, 36.3560, 12.9320



118.6170, 47.1620, 92.4580



102.0630, 22.0520, 7.8440



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.



99.2220, 106.0880, 37.7360



85.3580, 144.2320, 51.3040



149.7040, 82.4380, -7.2420



104.2890, 6.5560, 2.3320



52.6240, 104.8960, 37.3120



14.3520, 28.6080, 10.1760

Inverse Universe

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



99.2220, 106.0880, 37.7360



85.3580, 144.2320, 51.3040



120.2960, -82.4380, 7.2420



104.2890, 6.5560, 2.3320



52.6240, 104.8960, 37.3120



14.3520, 28.6080, 10.1760

Previews

White Background



This preview shows how the YIQ color 99.2220, 106.0880, 37.7360 looks on a white background.

Color Contrast Check

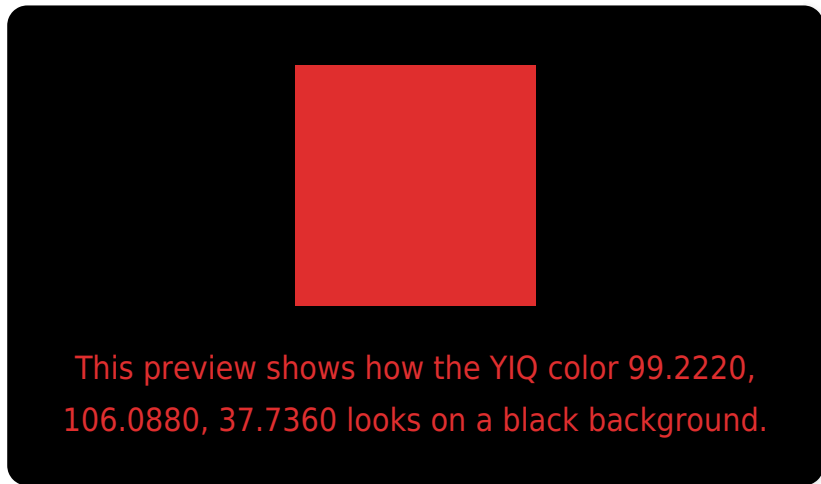
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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](#).

YIQ 99.2220, 106.0880, 37.7360

Background



This preview shows how black text looks on a background with the YIQ color 99.2220, 106.0880, 37.7360.



This preview shows how white text looks on a background with the YIQ color 99.2220, 106.0880,

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

99.2220, 106.0880, 37.7360

Protanopia

115.6600, 23.8440, -13.6280

Deuteranopia

113.8290, 48.0530, -17.3470



Tritanopia

99.2220, 106.0880, 37.7360

Trichromacy



Original Color

99.2220, 106.0880, 37.7360

Protanomaly

109.7660, 53.5050, 5.0010

Deuteranomaly

108.3840, 69.1400, 2.4840

Tritanomaly

99.2220, 106.0880, 37.7360

Monochromacy



Original Color

99.2220, 106.0880, 37.7360

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

99.1360, 38.1440, 13.5680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.2220, 106.0880, 37.7360 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(224, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(224, 46, 46)  
}
```

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(224, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 46, 46) }
```

Border

The CSS property to change the border of an element to YIQ 99.2220, 106.0880, 37.7360 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(224, 46, 46) }
```


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

```
.border{ border-color:rgb(224, 46, 46) }
```

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

Here you see how a box with a 4 pixel rgb(224, 46, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(224, 46,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 99.2220, 106.0880, 37.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 46, 46) }
```

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

```
.background{ background-color: rgb(224, 46,  
46) }
```

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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