

Converting Colors

YIQ(98.8200, 107.2800, 38.1600)

Have a look what the booklet for
YIQ(98.8200, 107.2800, 38.1600)
contains.

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Color

**YIQ(98.8200, 107.2800,
38.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	E12D2D
RGB	225, 45, 45
RGB Percent	88%, 18%, 18%
CMY	0.1172, 0.8238, 0.8231
CMYK	0.00, 0.80, 0.80, 0.12
HSL	360°, 75%, 53%
HSV	360°, 80%, 88%
XYZ	32.4967, 18.0864, 4.2719
YIQ	98.8200, 107.2800, 38.1600

Conversions

Conversions Part 2

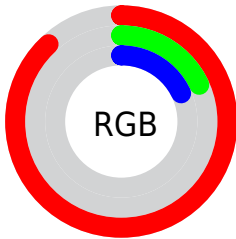
Format	Color
R_{YB}	225, 45, 45
Decimal	14757165
CIE Lab	49.60, 66.86, 45.15
CIE LCh	50, 80.678, 34.027
Yxy	18.0864, 0.5924, 0.3297
Android (android.graphics.Color)	4292947245 (0xFFE12D2D)
YUV	98.8200, -26.5333, 110.6599
Hunter-Lab	42.5281, 61.9715, 23.8141

Details

The YIQ color **98.8200, 107.2800, 38.1600** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **171.1800, -107.2800, -38.1600**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.1290, 92.7480, 26.1880**, and **48.1390, 95.9560, 34.1320** is the 20% darker color. If you saturate the color by 10%, you get **82.8110, 120.6670, 43.3470**, and if you desaturate by 10%, it is **114.3560, 93.8470, 33.8070**.

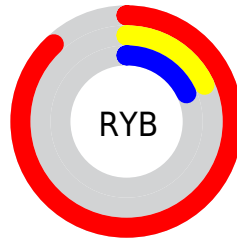
Distribution



Red (88%)

Green (18%)

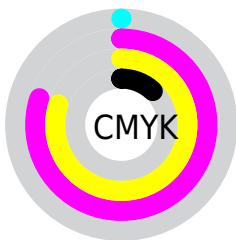
Blue (18%)



Red (88%)

Yellow (18%)

Blue (18%)

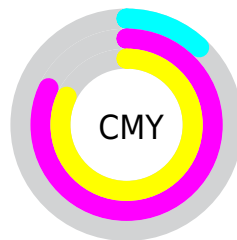


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (12%)



Cyan (12%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 98.8200, 107.2800, 38.1600 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 98.8200, 107.2800, 38.1600 by changing the saturation by 10% instead.


 98.8200, 107.2800,
38.1600


 98.8200, 107.2800,
38.1600


255.0000, -0.0000,
-0.0000


 60.3290, 107.6450,
48.0690


 150.1290, 92.7480,
26.1880


 48.1390, 95.9560,
34.1320


 170.0020, 76.7480,
18.7960


 38.5710, 76.8840,
27.3480


 189.9890, 60.4270,
11.7150

 29.1170, 57.4910,
20.8750

 210.0900, 43.7850,
4.9450

 20.9730, 40.1610,
15.5610

 230.7780, 26.8680,
-2.3480

 10.8780, 21.1350,
7.9430

 251.6940, 9.3090,

 0.0000, 0.0000,

-9.0190

0.0000

254.8860, 0.3210,
-0.3110

■ 98.8200, 107.2800,
38.1600

■ 98.8200, 107.2800,
38.1600

■ 82.8110, 120.6670,
43.3470

■ 114.3560, 93.8470,
33.8070

■ 67.2750, 134.1000,
47.7000

■ 130.3650, 80.4600,
28.6200

■ 145.9010, 67.0270,
24.2670

■ 161.9100, 53.6400,
19.0800

■ 177.4460, 40.2070,
14.7270

■ 193.4550, 26.8200,
9.5400

■ 209.5780, 13.1120,
4.6640

■ 225.0000, -0.0000,
-0.0000

■ 241.1230,
-13.7080, -4.8760

Harmonies

Analogous

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



82.4350, 102.9160, 84.2280



98.8200, 107.2800, 38.1600



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.



98.8200, 107.2800, 38.1600



89.8690, -56.0170, -58.6170



102.4450, -116.2300, 13.9300

Complementary

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



98.8200, 107.2800, 38.1600



171.1800, -107.2800, -38.1600

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.



109.7680, -116.1820, 2.0420



98.8200, 107.2800, 38.1600



100.0660, -80.5960, -37.1720

Square

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



98.8200, 107.2800, 38.1600



97.1850, -1.3650, -57.8850



107.8180, -102.4240, -16.0240



118.2180, -27.9310, 49.1650

Rectangle

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



98.8200, 107.2800, 38.1600



111.5020, 61.8550, -25.1930



107.8180, -102.4240, -16.0240



105.9670, -117.8800, 10.7920

Sweetspot

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



98.8200, 107.2800, 38.1600



212.2390, 36.3560, 12.9320



118.4430, 47.7120, 93.5040



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.



98.8200, 107.2800, 38.1600



83.2550, 146.0200, 51.9400



149.8890, 83.3550, -7.3410



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.



98.8200, 107.2800, 38.1600



83.2550, 146.0200, 51.9400



120.1110, -83.3550, 7.3410



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 98.8200, 107.2800, 38.1600 looks on a white background.

Color Contrast Check

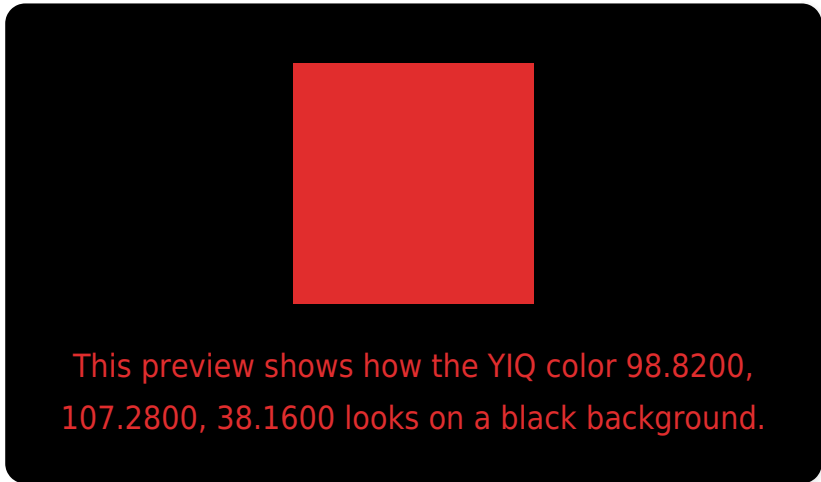
Large Text (above 18pt) WCAG AA ✓ Pass

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 98.8200, 107.2800, 38.1600

Background



This preview shows how black text looks on a background with the YIQ color 98.8200, 107.2800, 38.1600.



This preview shows how white text looks on a background with the YIQ color 98.8200, 107.2800,

38.1600.

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

98.8200, 107.2800, 38.1600

Protanopia

116.2470, 23.5690, -14.1510

Deuteranopia

114.3020, 48.0990, -18.1810



Tritanopia

98.8200, 107.2800, 38.1600

Trichromacy



Original Color

98.8200, 107.2800, 38.1600

Protanomaly

109.9510, 54.4220, 4.9020

Deuteranomaly

108.5690, 70.0570, 2.3850

Tritanomaly

98.8200, 107.2800, 38.1600

Monochromacy



Original Color

98.8200, 107.2800, 38.1600

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

98.7340, 39.3360, 13.9920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 98.8200, 107.2800, 38.1600 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(225, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(225, 45, 45)  
}
```

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(225, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 45, 45) }
```

Border

The CSS property to change the border of an element to YIQ 98.8200, 107.2800, 38.1600 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(225, 45, 45) }
```


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

```
.border{ border-color:rgb(225, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(225, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(225, 45,  
45) }
```

Background

The CSS property to change the background color of an element to YIQ 98.8200, 107.2800, 38.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 45, 45) }
```

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

```
.background{ background-color: rgb(225, 45,  
45) }
```

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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