

Converting Colors

YIQ(87.7890, 82.2020, 30.0900)

Have a look what the booklet for
YIQ(87.7890, 82.2020, 30.0900)
contains.

YIQ(87.7890, 82.2020, 30.0900)	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(87.7890, 82.2020,
30.0900)**

Conversions

Conversions Part 1

Format	Color
Hex	B92E30
RGB	185, 46, 48
RGB Percent	73%, 18%, 19%
CMY	0.2742, 0.8198, 0.8114
CMYK	0.00, 0.75, 0.74, 0.27
HSL	359°, 60%, 45%
HSV	359°, 75%, 73%
XYZ	21.5379, 12.4883, 4.0806
YIQ	87.7890, 82.2020, 30.0900

Conversions

Conversions Part 2

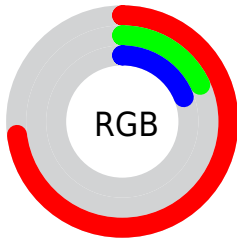
Format	Color
RYB	185, 46, 48
Decimal	12135984
CIELab	41.98, 54.91, 33.04
CIElCh	42, 64.082, 31.036
Yxy	12.4883, 0.5652, 0.3277
Android (android.graphics.Color)	4290326064 (0xFFB92E30)
YUV	87.7890, -19.6160, 85.2540
Hunter-Lab	35.3388, 46.9473, 17.8910

Details

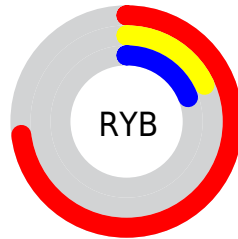
The YIQ color **87.7890, 82.2020, 30.0900** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **143.2110, -82.2020, -30.0900**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.3290, 89.3090, 27.9410**, and **37.4180, 72.9410, 27.2210** is the 20% darker color. If you saturate the color by 10%, you get **74.5840, 93.2050, 34.4290**, and if you desaturate by 10%, it is **100.4070, 71.4740, 26.2740**.

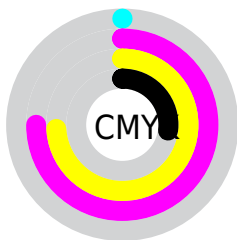
Distribution



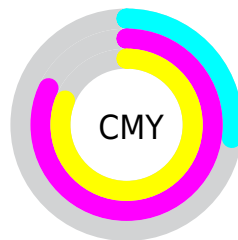
- Red (73%)
- Green (18%)
- Blue (19%)



- Red (73%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (75%)
- Yellow (74%)
- Black (27%)





- Cyan (27%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.7890, 82.2020, 30.0900 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 87.7890, 82.2020, 30.0900 by changing the saturation by 10% instead.


 87.7890, 82.2020,
30.0900


 87.7890, 82.2020,
30.0900


255.0000, -0.0000,
-0.0000


 51.4720, 82.0170,
38.9530


 145.4430, 88.9880,
28.2520


 37.4180, 72.9410,
27.2210


 166.1210, 78.0310,
23.0790

 28.1060, 56.0240,
19.9280

 185.5210, 61.9850,
16.5210

 19.9620, 38.6940,
14.6140

 205.6220, 45.3430,
9.7510

 10.2800, 19.9430,
7.5190

 225.7230, 28.7010,
2.9810

 0.0000, 0.0000,
0.0000

 245.9380, 11.7380,

-3.4780

■ 87.7890, 82.2020,
30.0900

■ 87.7890, 82.2020,
30.0900

■ 74.5840, 93.2050,
34.4290

■ 100.4070, 71.4740,
26.2740

■ 61.9660, 103.9330,
38.2450

■ 113.7260, 60.1500,
22.2460

■ 55.6570, 109.2970,
40.1530

■ 126.3440, 49.4220,
18.4300

■ 139.5490, 38.4190,
14.0910

■ 152.1670, 27.6910,
10.2750

■ 165.3720, 16.6880,
5.9360

■ 178.6910, 5.3640,
1.9080

■ 191.3090, -5.3640,
-1.9080

■ 204.5140,
-16.3670, -6.2470

Harmonies

Analogous

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



84.0480, 72.2480, 56.3120



87.7890, 82.2020, 30.0900



92.1530, 73.8640, -6.0400

Triad

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



87.7890, 82.2020, 30.0900



74.2820, -46.5740, -48.0300



85.1190, -95.0010, 9.1510

Complementary

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



87.7890, 82.2020, 30.0900



143.2110, -82.2020, -30.0900

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.



90.5670, -93.8070, -1.4790



87.7890, 82.2020, 30.0900



82.3130, -65.0540, -32.4940

Square

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



87.7890, 82.2020, 30.0900



84.5920, 8.2150, -44.2730



88.9420, -82.3420, -16.5340



99.4870, -27.7910, 35.6090

Rectangle

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



87.7890, 82.2020, 30.0900



93.4830, 54.8390, -19.1850



88.9420, -82.3420, -16.5340



87.8260, -95.7340, 5.9140

Sweetspot

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



87.7890, 82.2020, 30.0900



201.4450, 32.7800, 11.6600



102.8090, 37.0330, 72.2730



96.2800, 19.9430, 7.5190



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7890, 82.2020, 30.0900



88.9260, 127.7730, 46.7250



126.8900, 64.4190, -5.5730



85.6910, 5.3640, 1.9080



46.8720, 92.3340, 33.6940



8.3720, 16.6880, 5.9360

Inverse Universe

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



87.7890, 82.2020, 30.0900



88.9260, 127.7730, 46.7250



104.1100, -64.4190, 5.5730



85.6910, 5.3640, 1.9080



46.8720, 92.3340, 33.6940



8.3720, 16.6880, 5.9360

Previews

White Background



This preview shows how the YIQ color 87.7890, 82.2020, 30.0900 looks on a white background.

Color Contrast Check

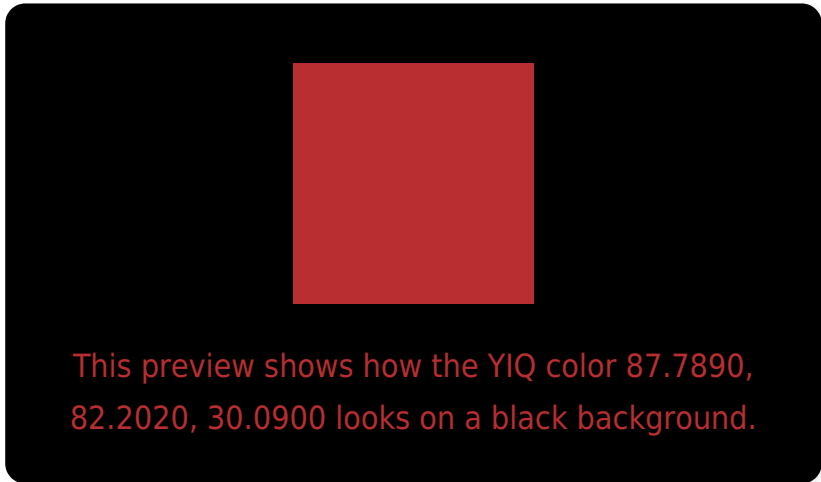
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.7890, 82.2020, 30.0900

Background



This preview shows how black text looks on a background with the YIQ color 87.7890, 82.2020, 30.0900.



This preview shows how white text looks on a background with the YIQ color 87.7890, 82.2020,

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

87.7890, 82.2020, 30.0900

Protanopia

98.8150, 16.2780, -8.6660

Deuteranopia

97.5860, 35.8560, -11.0560



Tritanopia

87.6750, 82.5230, 29.7790

Trichromacy



Original Color

87.7890, 82.2020, 30.0900

Protanomaly

94.6490, 40.7130, 5.5530

Deuteranomaly

93.9400, 52.9550, 3.9550

Tritanomaly

87.6750, 82.5230, 29.7790

Monochromacy



Original Color

87.7890, 82.2020, 30.0900

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.9500, 29.8000, 10.6000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.7890, 82.2020, 30.0900 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(185, 46, 48)` looks like.

```
.text, #text, p{  
    color:rgb(185, 46, 48)  
}
```

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(185, 46, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 46, 48) }
```

Border

The CSS property to change the border of an element to YIQ 87.7890, 82.2020, 30.0900 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(185, 46, 48) }
```


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

```
.border{ border-color:rgb(185, 46, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 46, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 46, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 46, 48);  
box-shadow:4px 4px 4px 4px rgb(185, 46,  
48) }
```

Background

The CSS property to change the background color of an element to YIQ 87.7890, 82.2020, 30.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 46, 48) }
```

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

```
.background{ background-color: rgb(185, 46,  
48) }
```

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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