

Converting Colors

YIQ(19.8930, 16.7790, 9.7950)

Have a look what the booklet for
YIQ(19.8930, 16.7790, 9.7950)
contains.

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Color

**YIQ(19.8930, 16.7790,
9.7950)**

Conversions

Conversions Part 1

Format	Color
Hex	2A0912
RGB	42, 9, 18
RGB Percent	16%, 4%, 7%
CMY	0.8352, 0.9648, 0.9294
CMYK	0.00, 0.79, 0.57, 0.84
HSL	344°, 65%, 10%
HSV	344°, 79%, 16%
XYZ	1.1626, 0.7315, 0.6528
YIQ	19.8930, 16.7790, 9.7950

Conversions

Conversions Part 2

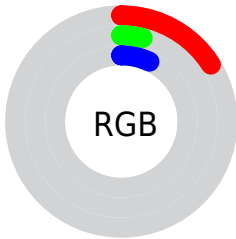
Format	Color
RYB	42, 9, 18
Decimal	2754834
CIELab	6.61, 17.76, 2.05
CIELCh	7, 17.875, 6.600
Yxy	0.7315, 0.4565, 0.2872
Android (android.graphics.Color)	4280944914 (0xFF2A0912)
YUV	19.8930, -0.9332, 19.3878
Hunter-Lab	8.5527, 9.2962, 1.4612

Details

The YIQ color **19.8930, 16.7790, 9.7950** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31.1070, -16.7790, -9.7950**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **63.9750, 19.4840, 10.3320**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **17.2030, 18.8420, 10.9540**, and if you desaturate by 10%, it is **22.5830, 14.7160, 8.6360**.

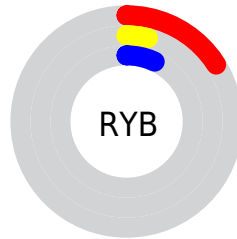
Distribution



 Red (16%)

 Green (4%)

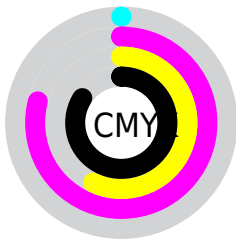
 Blue (7%)



 Red (16%)

 Yellow (4%)

 Blue (7%)

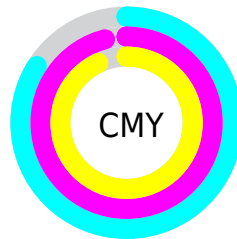


 Cyan (0%)


 Magenta (79%)

 Yellow (57%)

 Black (84%)



 Cyan (84%)

 Magenta (96%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 19.8930, 16.7790, 9.7950 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 19.8930, 16.7790, 9.7950 by changing the saturation by 10% instead.

■ 19.8930, 16.7790,
9.7950

■ 19.8930, 16.7790,
9.7950

■ 240.6040, 10.2230,
7.4630

■ 2.3920, 4.7680,
1.6960

■ 63.9750, 19.4840,
10.3320

■ 0.0000, 0.0000,
0.0000

■ 87.5730, 20.6760,
10.7560

■ 112.8720, 21.2720,
10.9680


■ 138.4700, 22.4640,
11.3920


■ 165.0680, 23.6560,
11.8160


■ 192.3670, 24.2520,


12.0280


 220.0790, 25.1230,
12.7630


 19.8930, 16.7790,
9.7950


 19.8930, 16.7790,
9.7950


 17.2030, 18.8420,
10.9540


 22.5830, 14.7160,
8.6360


 14.5130, 20.9050,
12.1130

 25.2730, 12.6530,
7.4770

 13.8120, 21.5010,
12.3250

 28.5500, 10.3150,
5.7950

 31.2400, 8.2520,
4.6360

 33.9300, 6.1890,
3.4770

■ 36.6200, 4.1260,
2.3180

■ 39.3100, 2.0630,
1.1590

■ 42.5870, -0.2750,
-0.5230

■ 45.2770, -2.3380,
-1.6820

Harmonies

Analogous

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



20.9400, 9.3970, 11.4210



19.8930, 16.7790, 9.7950



19.0150, 22.0070, 3.1510

Triad

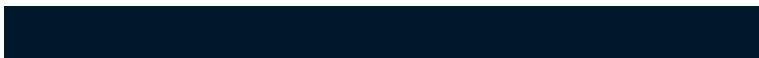
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.8930, 16.7790, 9.7950



17.3660, -1.5110, -11.1670



19.4630, -20.3570, -0.0130

Complementary

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



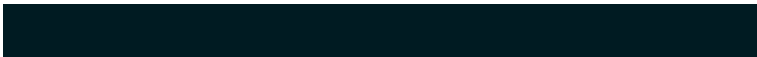
19.8930, 16.7790, 9.7950



31.1070, -16.7790, -9.7950

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.



19.7250, -18.3390, -3.5470



19.8930, 16.7790, 9.7950



16.5330, -9.3510, -12.2550

Square

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



19.8930, 16.7790, 9.7950



19.8020, 9.1250, -5.6830



19.0580, -15.0830, -7.4910



17.9410, -18.7070, 3.1250

Rectangle

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



19.8930, 16.7790, 9.7950



20.1670, 18.5230, 0.2110



19.0580, -15.0830, -7.4910



19.8220, -19.9900, -1.1580

Sweetspot

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



19.8930, 16.7790, 9.7950



45.2290, 6.7850, 3.6890



19.9380, 3.7110, 15.3510



22.6200, 4.1260, 2.3180



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



19.8930, 16.7790, 9.7950



19.8450, 25.9020, 15.1660



22.9760, 17.7430, 3.3350



18.7120, 0.8710, 0.7350



27.7380, 42.6810, 24.9610



70.0000, 107.7340, 62.9820

Inverse Universe

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



19.8930, 16.7790, 9.7950



19.8450, 25.9020, 15.1660



28.0240, -17.7430, -3.3350



18.7120, 0.8710, 0.7350



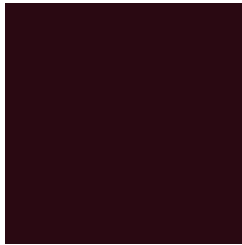
27.7380, 42.6810, 24.9610



70.0000, 107.7340, 62.9820

Previews

White Background



This preview shows how the YIQ color 19.8930, 16.7790, 9.7950 looks on a white background.

Color Contrast Check

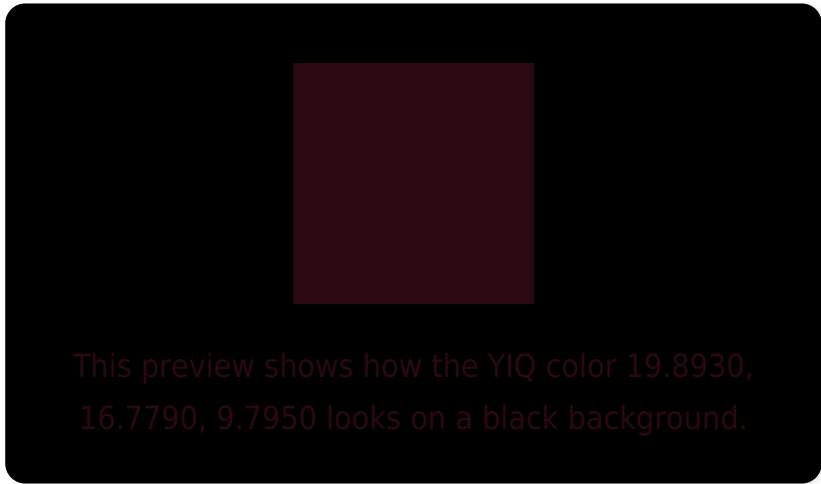
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

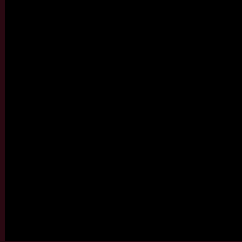
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 19.8930, 16.7790, 9.7950

Background



This preview shows how black text looks on a background with the YIQ color 19.8930, 16.7790, 9.7950.

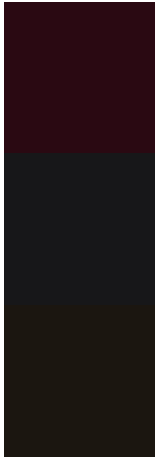


This preview shows how white text looks on a background with the YIQ color 19.8930, 16.7790,

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

19.8930, 16.7790, 9.7950

Protanopia

23.2280, -0.6420, 0.6220

Deuteranopia

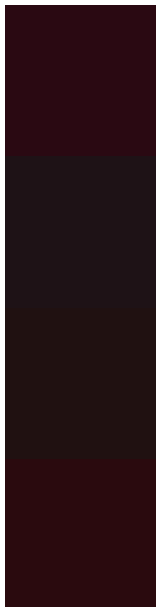
22.8110, 4.9060, -0.8060



Tritanopia

20.2690, 18.4760, 6.5720

Trichromacy



Original Color

19.8930, 16.7790, 9.7950

Protanomaly

22.0440, 5.8680, 3.7880

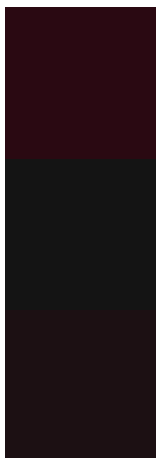
Deuteranomaly

21.4850, 8.9400, 3.1800

Tritanomaly

20.0240, 17.7880, 8.0280

Monochromacy



Original Color

19.8930, 16.7790, 9.7950

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

19.9300, 6.1890, 3.4770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 19.8930, 16.7790, 9.7950 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(42, 9, 18)` looks like.

```
.text, #text, p{  
    color:rgb(42, 9, 18)  
}
```

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(42, 9, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 9, 18) }
```

Border

The CSS property to change the border of an element to YIQ 19.8930, 16.7790, 9.7950 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(42, 9, 18) }
```


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

```
.border{ border-color:rgb(42, 9, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 9, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 9, 18); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 9, 18); box-shadow:4px  
4px 4px 4px rgb(42, 9, 18) }
```

Background

The CSS property to change the background color of an element to YIQ 19.8930, 16.7790, 9.7950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 9, 18) }
```

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

```
.background{ background-color: rgb(42, 9,  
18) }
```

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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