

Converting Colors

YIQ(21.8710, 4.6770, -2.1630)

Have a look what the booklet for
YIQ(21.8710, 4.6770, -2.1630)
contains.

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Color

**YIQ(21.8710, 4.6770,
-2.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	19160D
RGB	25, 22, 13
RGB Percent	10%, 9%, 5%
CMY	0.9020, 0.9137, 0.9490
CMYK	0.00, 0.12, 0.48, 0.90
HSL	45°, 32%, 7%
HSV	45°, 48%, 10%
XYZ	0.7605, 0.8095, 0.4972
YIQ	21.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

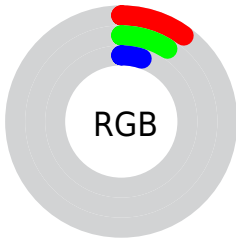
Format	Color
RYB	17, 25, 13
Decimal	1644045
CIELab	7.31, -0.37, 5.50
CIELCh	7, 5.509, 93.813
Yxy	0.8095, 0.3679, 0.3916
Android (android.graphics.Color)	4279834125 (0xFF19160D)
YUV	21.8710, -4.3734, 2.7441
Hunter-Lab	8.9973, -0.6580, 3.0220

Details

The YIQ color **21.8710, 4.6770, -2.1630** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **16.1290, -4.6770, 2.1630**, and the grayscale version is **22.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **63.9850, 4.3560, -1.8520**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.0560, 5.5940, -2.2620**, and if you desaturate by 10%, it is **22.8000, 3.4390, -1.7530**.

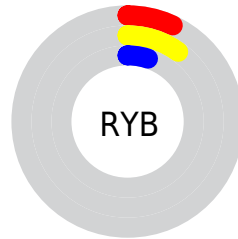
Distribution



Red (10%)

Green (9%)

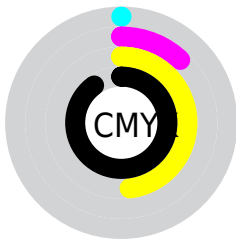
Blue (5%)



Red (7%)

Yellow (10%)

Blue (5%)

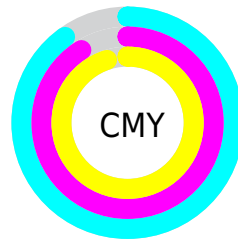


Cyan (0%)

Magenta (12%)

Yellow (48%)

Black (90%)



Cyan (90%)

Magenta (91%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 21.8710, 4.6770, -2.1630 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 21.8710, 4.6770, -2.1630 by changing the saturation by 10% instead.

■ 21.8710, 4.6770,
-2.1630

■ 21.8710, 4.6770,
-2.1630

■ 247.0560, 5.5940,
-2.2620

■ 0.0000, 0.0000,
0.0000

■ 63.9850, 4.3560,
-1.8520

■ 87.8710, 4.6770,
-2.1630

■ 112.1700, 5.2730,
-1.9510

■ 137.1700, 5.2730,
-1.9510

■ 164.0560, 5.5940,
-2.2620

■ 191.0560, 5.5940,

-2.2620

■ 218.9420, 5.9150,
-2.5730

■ 21.8710, 4.6770,
-2.1630

■ 21.8710, 4.6770,
-2.1630

■ 21.0560, 5.5940,
-2.2620

■ 22.8000, 3.4390,
-1.7530

■ 20.7140, 6.5570,
-3.1950

■ 23.0280, 2.7970,
-1.1310

■ 19.8990, 7.4740,
-3.2940

■ 23.9570, 1.5590,
-0.7210

■ 18.9700, 8.7120,
-3.7040

■ 24.7720, 0.6420,
-0.6220

■ 18.7420, 9.3540,
-4.3260

■ 25.1140, -0.3210,
0.3110

■ 18.6280, 9.6750,
-4.6370

■ 25.9290, -1.2380,
0.4100

■ 26.2710, -2.2010,
1.3430

■ 27.0860, -3.1180,
1.4420

■ 28.0150, -4.3560,
1.8520

Harmonies

Analogous

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



22.2950, 6.4190, -0.6930



21.8710, 4.6770, -2.1630



21.4900, 1.3760, -2.9120

Triad

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



21.8710, 4.6770, -2.1630



20.3410, -8.3900, -2.1340



22.6630, 2.5670, 3.0390

Complementary

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



21.8710, 4.6770, -2.1630



16.1290, -4.6770, 2.1630

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.



22.3960, -1.0550, 2.6010



21.8710, 4.6770, -2.1630



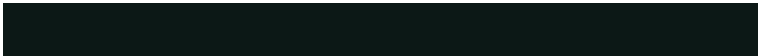
20.9930, -7.2900, -0.0420

Square

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



21.8710, 4.6770, -2.1630



20.1840, -6.5100, -3.1660



21.9010, -4.0350, 1.5410



22.9190, 4.7220, 2.5300

Rectangle

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



21.8710, 4.6770, -2.1630



21.1090, -1.9250, -3.6610



21.9010, -4.0350, 1.5410



22.4780, 1.6500, 3.1380

Sweetspot

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



21.8710, 4.6770, -2.1630



31.9570, 1.5590, -0.7210



16.9300, 6.1890, 3.4770



17.0710, 1.2380, -0.4100



145.0000, 0.0000, -0.0000



18.0000, -0.0000, 0.0000

Same Dimension

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



21.8710, 4.6770, -2.1630



27.8990, 7.4740, -3.2940



22.7350, 2.0640, -4.3680



12.1850, 0.9170, -0.0990



56.4820, 30.2170, -13.4870



150.8070, 79.5090, -36.7710

Inverse Universe

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



16.1290, -4.6770, 2.1630



19.1010, -7.4740, 3.2940



15.2650, -2.0640, 4.3680



11.8150, -0.9170, 0.0990



19.9310, -29.9420, 14.0100



53.1930, -79.5090, 36.7710

Previews

White Background



This preview shows how the YIQ color 21.8710, 4.6770, -2.1630 looks on a white background.

Color Contrast Check

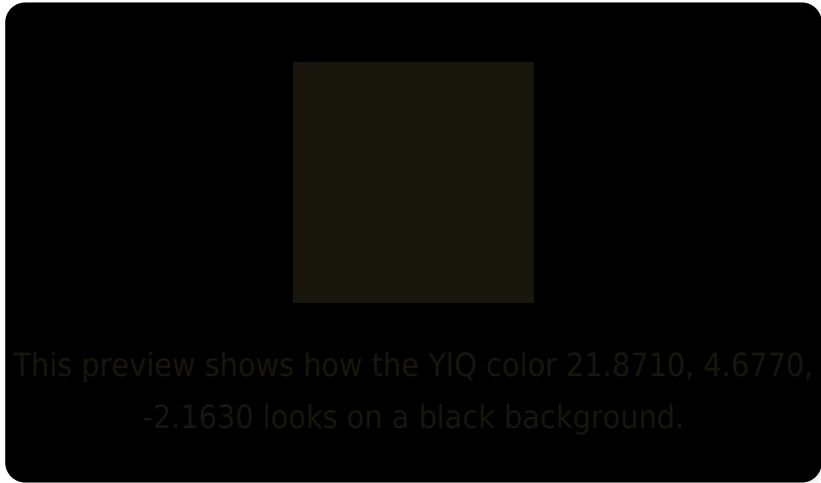
Large Text (above 18pt) WCAG AA ✓ Pass

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

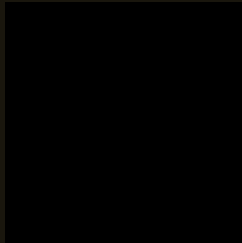
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 21.8710, 4.6770, -2.1630

Background



This preview shows how black text looks on a background with the YIQ color 21.8710, 4.6770, -2.1630.



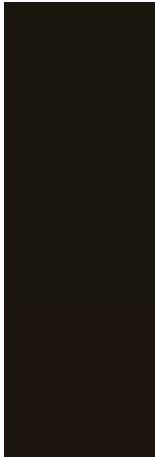
This preview shows how white text looks on a background with the YIQ color 21.8710, 4.6770,

-2.1630.

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

21.8710, 4.6770, -2.1630

Protanopia

21.5720, 4.0810, -2.3750

Deuteranopia

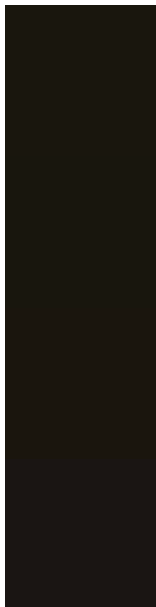
21.8820, 6.1440, -1.2160



Tritanopia

22.6090, 2.6590, 1.3710

Trichromacy



Original Color

21.8710, 4.6770, -2.1630

Protanomaly

21.5720, 4.0810, -2.3750

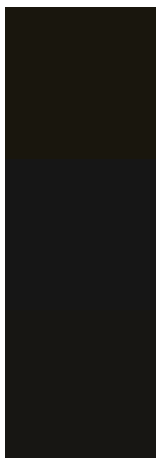
Deuteranomaly

21.5830, 5.5480, -1.4280

Tritanomaly

22.2670, 3.6220, 0.4380

Monochromacy



Original Color

21.8710, 4.6770, -2.1630

Achromatopsia

22.0000, -0.0000, -0.0000

Achromatomaly

21.9570, 1.5590, -0.7210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 21.8710, 4.6770, -2.1630 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(25, 22, 13)` looks like.

```
.text, #text, p{  
    color:rgb(25, 22, 13)  
}
```

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(25, 22, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 22, 13) }
```

Border

The CSS property to change the border of an element to YIQ 21.8710, 4.6770, -2.1630 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(25, 22, 13) }
```


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

```
.border{ border-color:rgb(25, 22, 13) }
```

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

Here you see how a box with a 4 pixel rgb(25, 22, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 22, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 22, 13);  
box-shadow:4px 4px 4px 4px rgb(25, 22, 13)  
}
```

Background

The CSS property to change the background color of an element to YIQ 21.8710, 4.6770, -2.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 22, 13) }
```

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

```
.background{ background-color: rgb(25, 22,  
13) }
```

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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