

Converting Colors

YIQ(30.6500, 21.7770, 7.3210)

Have a look what the booklet for
YIQ(30.6500, 21.7770, 7.3210)
contains.

YIQ(30.6500, 21.7770, 7.3210)	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(30.6500, 21.7770,
7.3210)**

Conversions

Conversions Part 1

Format	Color
Hex	381413
RGB	56, 20, 19
RGB Percent	22%, 8%, 7%
CMY	0.7803, 0.9216, 0.9254
CMYK	0.00, 0.64, 0.66, 0.78
HSL	2°, 49%, 15%
HSV	2°, 66%, 22%
XYZ	1.9997, 1.3882, 0.7797
YIQ	30.6500, 21.7770, 7.3210

Conversions

Conversions Part 2

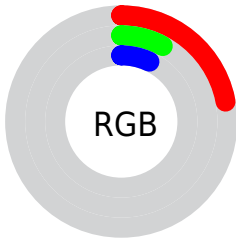
Format	Color
R _Y B	56, 20, 19
Decimal	3675155
CIE Lab	11.88, 17.86, 9.33
CIE LCh	12, 20.153, 27.577
Yxy	1.3882, 0.4798, 0.3331
Android (android.graphics.Color)	4281865235 (0xFF381413)
YUV	30.6500, -5.7434, 22.2320
Hunter-Lab	11.7824, 9.6760, 4.3244

Details

The YIQ color **30.6500, 21.7770, 7.3210** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **44.3500, -21.7770, -7.3210**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **76.2160, 25.9950, 7.9710**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **27.0310, 25.0780, 8.0700**, and if you desaturate by 10%, it is **34.2690, 18.4760, 6.5720**.

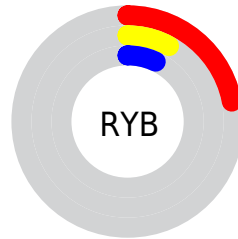
Distribution



 Red (22%)

 Green (8%)

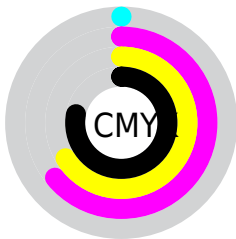
 Blue (7%)



 Red (22%)

 Yellow (8%)

 Blue (7%)

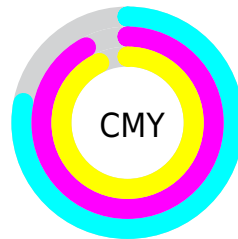


 Cyan (0%)

 Magenta (64%)

 Yellow (66%)

 Black (78%)



 Cyan (78%)

 Magenta (92%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 30.6500, 21.7770, 7.3210 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 30.6500, 21.7770, 7.3210 by changing the saturation by 10% instead.

■ 30.6500, 21.7770,
7.3210

■ 30.6500, 21.7770,
7.3210

■ 249.5230, 5.7770,
-0.0710

■ 10.7640, 21.4560,
7.6320

■ 76.2160, 25.9950,
7.9710

■ 0.0000, 0.0000,
0.0000

■ 100.1130, 27.7830,
8.6070


■ 125.7110, 28.9750,
9.0310


■ 151.8960, 29.8920,
8.9320


■ 178.4940, 31.0840,
9.3560


■ 206.0920, 32.2760,


9.7800


 229.3080, 22.7400,
6.3880


 30.6500, 21.7770,
7.3210


 30.6500, 21.7770,
7.3210


 27.0310, 25.0780,
8.0700


 34.2690, 18.4760,
6.5720


 22.9390, 28.3330,
9.6530


 38.3610, 15.2210,
4.9890

 19.3200, 31.6340,
10.4020

 41.9800, 11.9200,
4.2400

 17.3310, 33.1010,
11.3490

 46.0720, 8.6650,
2.6570

 49.6910, 5.3640,
1.9080

■ 53.8970, 1.7880,
0.6360

■ 57.4020, -1.1920,
-0.4240

■ 61.6080, -4.7680,
-1.6960

■ 65.1130, -7.7480,
-2.7560

Harmonies

Analogous

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



31.3600, 16.9620, 11.9860



30.6500, 21.7770, 7.3210



30.1520, 22.8790, -1.6410

Triad

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



30.6500, 21.7770, 7.3210



25.8210, -10.2220, -12.9900



26.0970, -28.0140, 1.0900

Complementary

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



30.6500, 21.7770, 7.3210



44.3500, -21.7770, -7.3210

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.



27.2880, -27.2340, -2.0340



30.6500, 21.7770, 7.3210



25.7260, -20.0800, -10.5440

Square

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



30.6500, 21.7770, 7.3210



28.3300, 7.3380, -11.8460



27.3220, -24.5740, -6.1900



31.7900, -7.7960, 9.1320

Rectangle

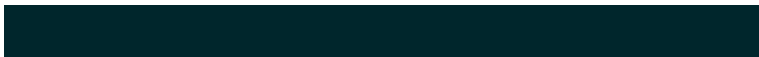
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.6500, 21.7770, 7.3210



29.8910, 19.1200, -5.1040



27.3220, -24.5740, -6.1900



26.5700, -27.9680, 0.2560

Sweetspot

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



30.6500, 21.7770, 7.3210



64.0720, 8.6650, 2.6570



34.1670, 10.4960, 19.0400



31.6910, 5.3640, 1.9080



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



30.6500, 21.7770, 7.3210



33.9290, 34.2930, 11.7730



41.2160, 16.8270, -2.0930



25.8970, 1.7880, 0.6360



28.6820, 54.2820, 18.4580



69.0030, 128.8740, 43.2900

Inverse Universe

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



44.3500, -21.7770, -7.3210



55.4840, -34.0180, -11.2500



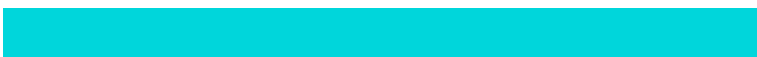
33.7840, -16.8270, 2.0930



27.1030, -1.7880, -0.6360



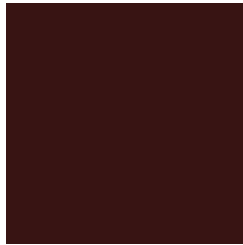
62.7310, -54.0070, -17.9350



150.5840, -129.1490, -43.8130

Previews

White Background



This preview shows how the YIQ color 30.6500, 21.7770, 7.3210 looks on a white background.

Color Contrast Check

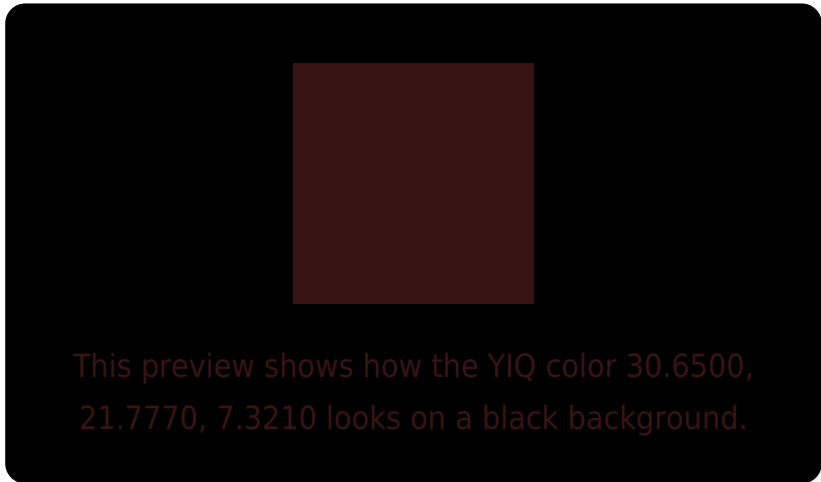
Large Text (above 18pt) WCAG AA ✓ Pass

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

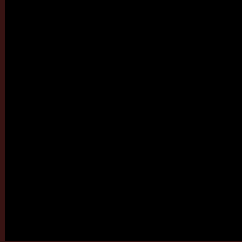
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 30.6500, 21.7770, 7.3210

Background



This preview shows how black text looks on a background with the YIQ color 30.6500, 21.7770, 7.3210.

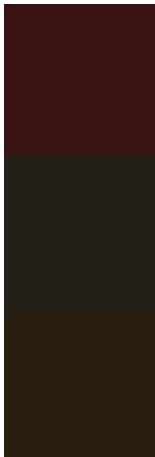


This preview shows how white text looks on a background with the YIQ color 30.6500, 21.7770,

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

30.6500, 21.7770, 7.3210

Protanopia

31.9850, 4.3560, -1.8520

Deuteranopia

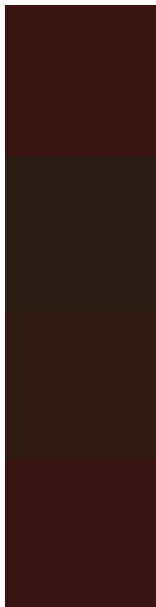
32.0950, 9.8580, -2.4460



Tritanopia

30.8780, 21.1350, 7.9430

Trichromacy



Original Color

30.6500, 21.7770, 7.3210

Protanomaly

31.8010, 10.8660, 1.3140

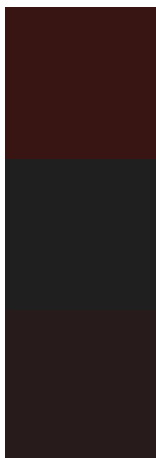
Deuteranomaly

31.6550, 14.2130, 1.2290

Tritanomaly

30.7640, 21.4560, 7.6320

Monochromacy



Original Color

30.6500, 21.7770, 7.3210

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

30.8870, 7.7480, 2.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 30.6500, 21.7770, 7.3210 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(56, 20, 19)` looks like.

```
.text, #text, p{  
    color:rgb(56, 20, 19)  
}
```

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(56, 20, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 20, 19) }
```

Border

The CSS property to change the border of an element to YIQ 30.6500, 21.7770, 7.3210 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(56, 20, 19) }
```


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

```
.border{ border-color:rgb(56, 20, 19) }
```

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

Here you see how a box with a 4 pixel rgb(56, 20, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 20, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 20, 19);  
box-shadow:4px 4px 4px 4px rgb(56, 20, 19)  
}
```

Background

The CSS property to change the background color of an element to YIQ 30.6500, 21.7770, 7.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 20, 19) }
```

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

```
.background{ background-color: rgb(56, 20,  
19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor