

Converting Colors

YIQ(31.7950, 46.5340, 15.7020)

Have a look what the booklet for
YIQ(31.7950, 46.5340, 15.7020)
contains.

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Color

**YIQ(31.7950, 46.5340,
15.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	560907
RGB	86, 9, 7
RGB Percent	34%, 4%, 3%
CMY	0.6626, 0.9648, 0.9724
CMYK	0.00, 0.90, 0.92, 0.66
HSL	1°, 85%, 18%
HSV	1°, 92%, 34%
XYZ	3.9780, 2.1908, 0.4156
YIQ	31.7950, 46.5340, 15.7020

Conversions

Conversions Part 2

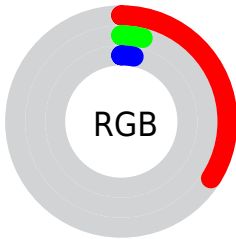
Format	Color
R_YB	86, 9, 7
Decimal	5638407
CIE Lab	16.46, 33.69, 22.43
CIE LCh	16, 40.477, 33.655
Yxy	2.1908, 0.6042, 0.3327
Android (android.graphics.Color)	4283828487 (0xFF560907)
YUV	31.7950, -12.2239, 47.5378
Hunter-Lab	14.8012, 22.0716, 8.6962

Details

The YIQ color **31.7950, 46.5340, 15.7020** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **61.2050, -46.5340, -15.7020**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.8940, 50.5690, 14.1610**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **26.8880, 50.7060, 17.1860**, and if you desaturate by 10%, it is **37.5170, 41.4450, 14.3170**.

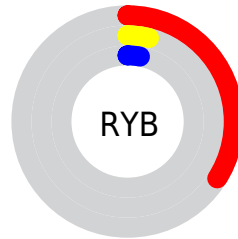
Distribution



Red (34%)

Green (4%)

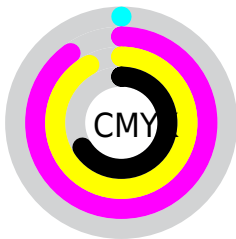
Blue (3%)



Red (34%)

Yellow (4%)

Blue (3%)

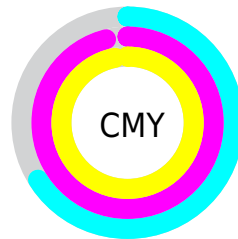


Cyan (0%)

Magenta (90%)

Yellow (92%)

Black (66%)



Cyan (66%)

Magenta (96%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 31.7950, 46.5340, 15.7020 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 31.7950, 46.5340, 15.7020 by changing the saturation by 10% instead.


 31.7950, 46.5340,
15.7020


 31.7950, 46.5340,
15.7020

 248.1550, 9.6290,
-3.8030


 17.6410, 35.1640,
12.5080


 84.1930, 51.1650,
14.3730


 9.6820, 18.7510,
7.0950

 109.1610, 54.1910,
14.5990

 0.0000, 0.0000,
0.0000

 135.8300, 56.6210,
14.6130


 162.9120, 59.3260,
15.1500


 189.4990, 59.0510,
14.6270


 208.4260, 42.9590,


8.9030


 227.9400, 26.5920,
2.6560


 31.7950, 46.5340,
15.7020


 31.7950, 46.5340,
15.7020


 26.8880, 50.7060,
17.1860

 37.5170, 41.4450,
14.3170

 43.7120, 36.4020,
12.0980

 49.4340, 31.3130,
10.7130

 55.6290, 26.2700,
8.4940

 61.3510, 21.1810,
7.1090

■ 67.0730, 16.0920,
5.7240

■ 73.2680, 11.0490,
3.5050

■ 78.9900, 5.9600,
2.1200

■ 85.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



31.0570, 40.5250, 30.9970



31.7950, 46.5340, 15.7020



38.2520, 34.3410, -0.1150

Triad

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



31.7950, 46.5340, 15.7020



31.3050, -17.8770, -22.9410



37.1140, -43.8790, 7.7770

Complementary

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



31.7950, 46.5340, 15.7020



61.2050, -46.5340, -15.7020

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.



39.9520, -43.6030, 2.7730



31.7950, 46.5340, 15.7020



36.1270, -28.6990, -14.0350

Square

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



31.7950, 46.5340, 15.7020



33.5580, -2.4720, -21.2880



39.3190, -37.6870, -5.3270



40.9010, -12.0620, 20.3700

Rectangle

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



31.7950, 46.5340, 15.7020



38.7620, 23.7970, -7.2670



39.3190, -37.6870, -5.3270



38.2880, -44.4290, 6.7310

Sweetspot

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



31.7950, 46.5340, 15.7020



90.8560, 18.2010, 6.0490



39.5130, 22.0460, 41.0060



42.6810, 11.3240, 4.0280



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



31.7950, 46.5340, 15.7020



35.2490, 65.9270, 22.1750



54.6880, 35.8090, -4.6950



40.1960, 2.3840, 0.8480



33.7540, 62.9470, 21.1150



73.7870, 138.4100, 46.6820

Inverse Universe

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



61.2050, -46.5340, -15.7020



76.7510, -65.9270, -22.1750



38.3120, -35.8090, 4.6950



41.8040, -2.3840, -0.8480



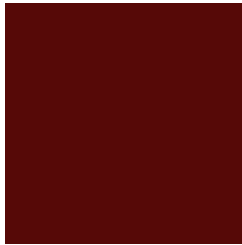
73.2460, -62.9470, -21.1150



161.2130, -138.4100, -46.6820

Previews

White Background



This preview shows how the YIQ color 31.7950, 46.5340, 15.7020 looks on a white background.

Color Contrast Check

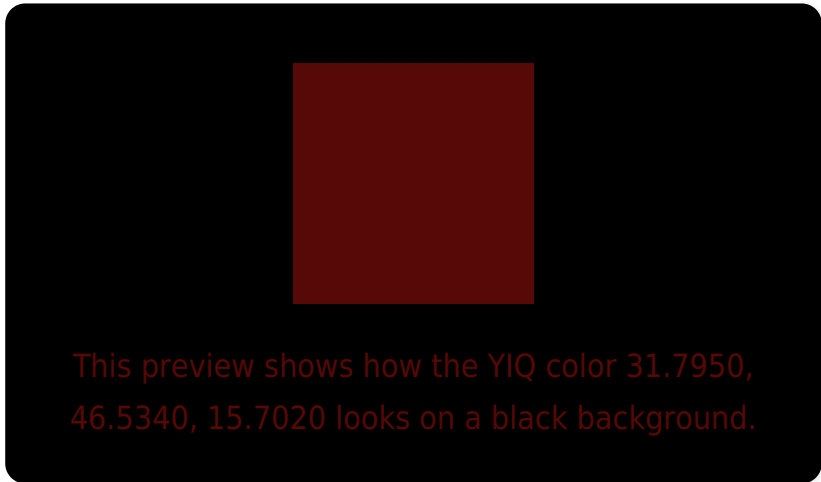
Large Text (above 18pt) WCAG AA ✓ Pass

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

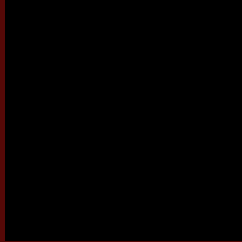
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.7950, 46.5340, 15.7020

Background



This preview shows how black text looks on a background with the YIQ color 31.7950, 46.5340, 15.7020.

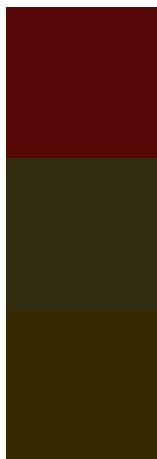


This preview shows how white text looks on a background with the YIQ color 31.7950, 46.5340,

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

31.7950, 46.5340, 15.7020

Protanopia

42.0750, 12.6100, -8.2700

Deuteranopia

41.0990, 21.2300, -10.3060



Tritanopia

31.6810, 46.8550, 15.3910

Trichromacy



Original Color

31.7950, 46.5340, 15.7020

Protanomaly

37.9890, 24.8960, 0.3520

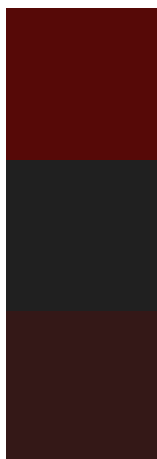
Deuteranomaly

37.6860, 30.1230, -0.7650

Tritanomaly

31.6810, 46.8550, 15.3910

Monochromacy



Original Color

31.7950, 46.5340, 15.7020

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

32.2580, 17.0090, 5.6250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.7950, 46.5340, 15.7020 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(86, 9, 7)` looks like.

```
.text, #text, p{  
    color:rgb(86, 9, 7)  
}
```

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(86, 9, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 9, 7) }
```

Border

The CSS property to change the border of an element to YIQ 31.7950, 46.5340, 15.7020 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(86, 9, 7) }
```


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

```
.border{ border-color:rgb(86, 9, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 9, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 9, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 9, 7); box-shadow:4px  
4px 4px 4px rgb(86, 9, 7) }
```

Background

The CSS property to change the background color of an element to YIQ 31.7950, 46.5340, 15.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 9, 7) }
```

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

```
.background{ background-color: rgb(86, 9,  
7) }
```

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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