

Converting Colors

YIQ(120.8170, 4.7690, -3.8310)

Have a look what the booklet for
YIQ(120.8170, 4.7690, -3.8310)
contains.

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Color

**YIQ(120.8170, 4.7690,
-3.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7A6D
RGB	123, 122, 109
RGB Percent	48%, 48%, 43%
CMY	0.5177, 0.5216, 0.5725
CMYK	0.00, 0.01, 0.11, 0.52
HSL	56°, 6%, 45%
HSV	56°, 11%, 48%
XYZ	17.8884, 19.2341, 17.2398
YIQ	120.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

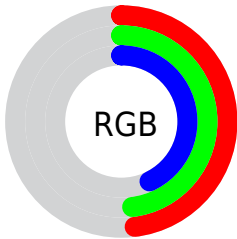
Format	Color
R_{YB}	110, 123, 109
Decimal	8092269
CIE Lab	50.96, -2.08, 7.25
CIE LCh	51, 7.543, 106.034
Yxy	19.2341, 0.3291, 0.3538
Android (android.graphics.Color)	4286282349 (0xFF7B7A6D)
YUV	120.8170, -5.8258, 1.9145
Hunter-Lab	43.8567, -3.9422, 7.3931

Details

The YIQ color $120.8170, 4.7690, -3.8310$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $111.1830, -4.7690, 3.8310$, and the grayscale version is $121.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $172.7030, 5.0900, -4.1420$, and $72.0450, 4.1270, -3.2090$ is the 20% darker color. If you saturate the color by 10%, you get $118.8620, 8.8960, -7.0400$, and if you desaturate by 10%, it is $122.7720, 0.6420, -0.6220$.

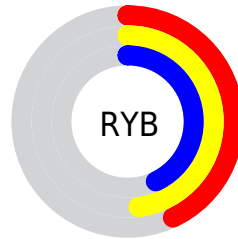
Distribution



Red (48%)

Green (48%)

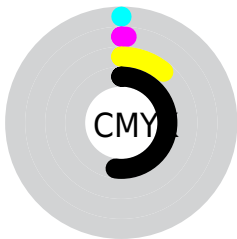
Blue (43%)



Red (43%)

Yellow (48%)

Blue (43%)

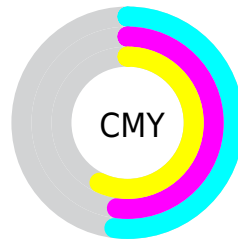


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 120.8170, 4.7690, -3.8310 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 120.8170, 4.7690, -3.8310 by changing the saturation by 10% instead.

■ 120.8170, 4.7690,
-3.8310

■ 120.8170, 4.7690,
-3.8310

■ 255.0000, -0.0000,
-0.0000

■ 95.9310, 4.4480,
-3.5200

■ 172.7030, 5.0900,
-4.1420

■ 72.0450, 4.1270,
-3.2090

■ 200.5890, 5.4110,
-4.4530

■ 50.0450, 4.1270,
-3.2090

■ 228.5890, 5.4110,
-4.4530

■ 28.7460, 3.5310,
-3.4210

■ 253.7460, 3.5310,
-3.4210

■ 2.9350, -1.3750,
-2.6150

■ 0.0000, 0.0000,
0.0000

■ 120.8170, 4.7690,
-3.8310

■ 120.8170, 4.7690,
-3.8310

■ 118.8620, 8.8960,
-7.0400

■ 122.7720, 0.6420,
-0.6220

■ 116.7930, 13.3440,
-10.5600

■ 124.8410, -3.8060,
2.8980

■ 114.8380, 17.4710,
-13.7690

■ 126.7960, -7.9330,
6.1070

■ 112.8830, 21.5980,
-16.9780

■ 128.7510,
-12.0600, 9.3160

■ 111.5150, 25.4500,
-20.7100

■ 130.2330,
-16.2330, 13.3590

■ 109.4460, 29.8980,
-24.2300

■ 132.1880,
-20.3600, 16.5680

■ 107.4910, 34.0250,
-27.4390

■ 134.1430,
-24.4870, 19.7770

■ 105.5360, 38.1520,

■ 136.0980,

-30.6480

-28.6140, 22.9860

■ 103.6950, 41.9580,
-33.5460

■ 138.1670,
-33.0620, 26.5060

Harmonies

Analogous

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



121.7360, 9.4910, -1.3010



120.8170, 4.7690, -3.8310



120.2400, -0.9160, -5.4280

Triad

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



120.8170, 4.7690, -3.8310



119.3020, -12.6540, -1.9500



122.6960, 6.9680, 5.8800

Complementary

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



120.8170, 4.7690, -3.8310



111.1830, -4.7690, 3.8310

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.



122.6460, 1.2370, 5.1170



120.8170, 4.7690, -3.8310



120.6660, -10.6830, 0.8770

Square

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



120.8170, 4.7690, -3.8310



119.3190, -11.3240, -4.0280



121.8840, -5.3650, 3.6190



122.4960, 10.4070, 4.1270

Rectangle

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



120.8170, 4.7690, -3.8310



119.7880, -5.4550, -5.7670



121.8840, -5.3650, 3.6190



122.9130, 4.8590, 5.5550

Sweetspot

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



120.8170, 4.7690, -3.8310



159.8430, 1.8800, -1.0320



113.3000, 8.0230, 3.2790



80.9570, 1.5590, -0.7210



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



120.8170, 4.7690, -3.8310



157.2040, 7.9330, -6.1070



119.6100, 0.9180, -5.6260



60.3160, 1.9260, -1.8660



105.4670, 42.6000, -34.1680



212.7060, 85.8420, -68.9580

Inverse Universe

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



111.1830, -4.7690, 3.8310



141.7960, -7.9330, 6.1070



112.3900, -0.9180, 5.6260



56.2710, -2.2010, 1.3430



19.5330, -42.6000, 34.1680



39.2940, -85.8420, 68.9580

Previews

White Background



This preview shows how the YIQ color 120.8170, 4.7690, -3.8310 looks on a white 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

Black Background



This preview shows how the YIQ color 120.8170, 4.7690, -3.8310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

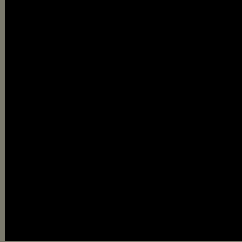
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.8170, 4.7690, -3.8310

Background



This preview shows how black text looks on a background with the YIQ color 120.8170, 4.7690, -3.8310.



This preview shows how white text looks on a background with the YIQ color 120.8170, 4.7690,

-3.8310.

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

120.8170, 4.7690, -3.8310

Protanopia

121.0130, 7.1530, -2.9830

Deuteranopia

122.1820, 14.1670, 2.0630



Tritanopia

122.2330, 0.9620, 4.5940

Trichromacy



Original Color

120.8170, 4.7690, -3.8310

Protanomaly

120.7140, 6.5570, -3.1950

Deuteranomaly

121.8610, 10.6370, -0.0430

Tritanomaly

121.7230, 2.3380, 1.6820

Monochromacy



Original Color

120.8170, 4.7690, -3.8310

Achromatopsia

121.0000, -0.0000, 0.0000

Achromatomaly

120.8430, 1.8800, -1.0320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.8170, 4.7690, -3.8310 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(123, 122, 109)` looks like.

```
.text, #text, p{  
    color:rgb(123, 122, 109)  
}
```

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(123, 122, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 122, 109) }
```

Border

The CSS property to change the border of an element to YIQ 120.8170, 4.7690, -3.8310 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(123, 122, 109) }
```


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

```
.border{ border-color:rgb(123, 122, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 122, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 122, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 122, 109);  
box-shadow:4px 4px 4px 4px rgb(123, 122,  
109) }
```

Background

The CSS property to change the background color of an element to YIQ 120.8170, 4.7690, -3.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 122, 109) }
```

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

```
.background{ background-color: rgb(123,  
122, 109) }
```

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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