

Converting Colors

YIQ(109.9850, -3.6710, 16.9770)

Have a look what the booklet for
YIQ(109.9850, -3.6710, 16.9770)
contains.

| | |
|--|----|
| YIQ(109.9850, -3.6710, 16.9770) | 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(109.9850, -3.6710,
16.9770)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 75648F |
| RGB | 117, 100, 143 |
| RGB Percent | 46%, 39%, 56% |
| CMY | 0.5411, 0.6079, 0.4393 |
| CMYK | 0.18, 0.30, 0.00, 0.44 |
| HSL | 264°, 18%, 48% |
| HSV | 264°, 30%, 56% |
| XYZ | 16.8519, 14.8789, 27.9655 |
| YIQ | 109.9850, -3.6710, 16.9770 |

Conversions

Conversions Part 2

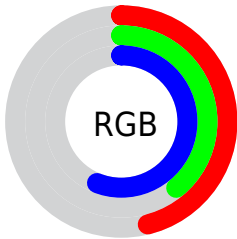
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 117, 100, 143 |
| Decimal | 7693455 |
| CIE _{Lab} | 45.47, 15.94, -21.15 |
| CIE _{LCh} | 45, 26.488, 307.010 |
| Yxy | 14.8789, 0.2823, 0.2492 |
| Android (android.graphics.Color) | 4285883535 (0xFF75648F) |
| YUV | 109.9850, 16.2764, 6.1522 |
| Hunter-Lab | 38.5732, 10.4804, -15.9839 |

Details

The YIQ color $109.9850, -3.6710, 16.9770$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $133.0150, 3.6710, -16.9770$, and the grayscale version is $110.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $161.9250, -3.4420, 18.3340$, and $62.0450, -3.9000, 15.6200$ is the 20% darker color. If you saturate the color by 10%, you get $99.0760, -5.1850, 22.3910$, and if you desaturate by 10%, it is $120.8940, -2.1570, 11.5630$.

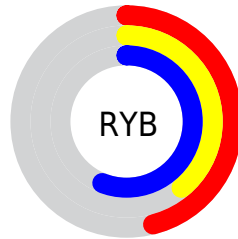
Distribution



Red (46%)

Green (39%)

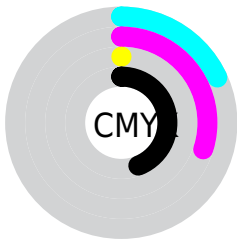
Blue (56%)



Red (46%)

Yellow (39%)

Blue (56%)

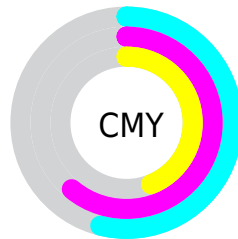


Cyan (18%)

Magenta (30%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (61%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.9850, -3.6710, 16.9770 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 109.9850, -3.6710, 16.9770 by changing the saturation by 10% instead.

■ 109.9850, -3.6710,
16.9770

■ 109.9850, -3.6710,
16.9770

■ 255.0000, -0.0000,
-0.0000

■ 85.4580, -3.6250,
16.1430

■ 161.9250, -3.4420,
18.3340

■ 61.9310, -3.5790,
15.3090

■ 189.0390, -3.7630,
18.6450

■ 40.1050, -4.1290,
14.2630

■ 216.5660, -3.8090,
19.4790

■ 17.9910, -3.8080,
13.9520

■ 241.7870, 5.4540,
11.2940

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 109.9850, -3.6710,
16.9770

■ 109.9850, -3.6710,
16.9770

■ 99.0760, -5.1850,
22.3910

■ 120.8940, -2.1570,
11.5630

■ 87.8790, -5.8280,
28.5400

■ 132.0910, -1.5140,
5.4140

■ 76.9700, -7.3420,
33.9540

■ 143.0000, -0.0000,
0.0000

■ 66.0610, -8.8560,
39.3680

■ 153.9090, 1.5140,
-5.4140

■ 55.4510, -9.7740,
44.9940

■ 164.5190, 2.4320,
-11.0400

■ 43.9550, -11.0130,
50.9310

■ 176.0150, 3.6710,
-16.9770

■ 33.3450, -11.9310,
56.5570

■ 186.6250, 4.5890,
-22.6030

■ 197.5340, 6.1030,

-28.0170

■ 209.0300, 7.3420,
-33.9540

Harmonies

Analogous

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



105.7260, -28.1070, 8.2850



109.9850, -3.6710, 16.9770



110.7010, 17.7400, 19.9160

Triad

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



109.9850, -3.6710, 16.9770



107.3010, 32.6450, -2.4190



93.9720, -47.4960, -20.2960

Complementary

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



109.9850, -3.6710, 16.9770



133.0150, 3.6710, -16.9770

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.



99.2600, -22.0040, -19.7320



109.9850, -3.6710, 16.9770



105.5610, 19.8090, -12.0870

Square

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



109.9850, -3.6710, 16.9770



109.0770, 36.6320, 7.9280



102.9330, 0.9660, -17.5140



89.3260, -65.9280, -16.6480

Rectangle

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



109.9850, -3.6710, 16.9770



110.3230, 27.5520, 18.3040



102.9330, 0.9660, -17.5140



95.8760, -38.4180, -19.6180

Sweetspot

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



109.9850, -3.6710, 16.9770



173.0310, -1.2850, 6.7710



120.7510, -21.2280, -0.7480



86.3360, -0.8260, 3.9580



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



109.9850, -3.6710, 16.9770



134.7110, -5.4150, 26.5610



116.2640, 8.8450, 21.4290



65.6950, -0.4590, 2.8130



31.5360, -11.1510, 53.4330



1.8090, -0.7800, 3.1240

Inverse Universe

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



115.8210, 17.2820, 17.2020



143.7070, 26.7710, 26.9550



126.7360, -8.8450, -21.4290



66.6630, 2.5670, 3.0390



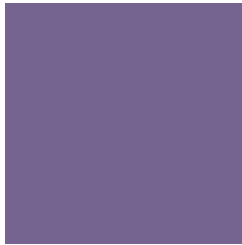
49.7130, 54.1380, 54.1220



2.9620, 3.1630, 3.2510

Previews

White Background



This preview shows how the YIQ color 109.9850, -3.6710, 16.9770 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 × Fail

Black Background



This preview shows how the YIQ color 109.9850, -3.6710, 16.9770 looks on a black 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

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

YIQ 109.9850, -3.6710, 16.9770

Background



This preview shows how black text looks on a background with the YIQ color 109.9850, -3.6710, 16.9770.



This preview shows how white text looks on a background with the YIQ color 109.9850, -3.6710,

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

109.9850, -3.6710, 16.9770

Protanopia

107.4990, -20.0380, 10.7300

Deuteranopia

108.3100, -15.1320, 9.9240



Tritanopia

108.7060, 1.0080, 3.7600

Trichromacy



Original Color

109.9850, -3.6710, 16.9770

Protanomaly

108.4890, -14.0780, 12.8500

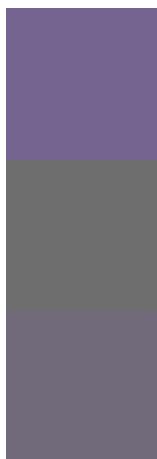
Deuteranomaly

108.9300, -11.0060, 12.2420

Tritanomaly

109.3840, -0.7810, 8.6510

Monochromacy



Original Color

109.9850, -3.6710, 16.9770

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.9170, -0.9640, 6.4600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.9850, -3.6710, 16.9770 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(117, 100, 143)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 143)  
}
```

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(117, 100, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 143) }
```

Border

The CSS property to change the border of an element to YIQ 109.9850, -3.6710, 16.9770 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(117, 100, 143) }
```


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

```
.border{ border-color:rgb(117, 100, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 100, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 100, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 100, 143);  
box-shadow:4px 4px 4px 4px rgb(117, 100,  
143) }
```

Background

The CSS property to change the background color of an element to YIQ 109.9850, -3.6710, 16.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 143) }
```

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

```
.background{ background-color: rgb(117,  
100, 143) }
```

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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