

Converting Colors

YIQ(116.9950, -1.6040, -3.9720)

Have a look what the booklet for
YIQ(116.9950, -1.6040, -3.9720)
contains.

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Color

**YIQ(116.9950, -1.6040,
-3.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	717870
RGB	113, 120, 112
RGB Percent	44%, 47%, 44%
CMY	0.5569, 0.5294, 0.5608
CMYK	0.06, 0.00, 0.07, 0.53
HSL	113°, 3%, 45%
HSV	113°, 7%, 47%
XYZ	16.4508, 18.1138, 17.9585
YIQ	116.9950, -1.6040, -3.9720

Conversions

Conversions Part 2

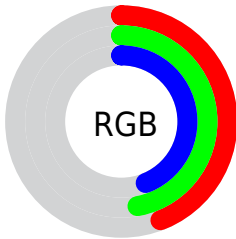
Format	Color
R_{YB}	112, 120, 119
Decimal	7436400
CIE Lab	49.63, -4.26, 3.48
CIE LCh	50, 5.500, 140.743
Yxy	18.1138, 0.3132, 0.3449
Android (android.graphics.Color)	4285626480 (0xFF717870)
YUV	116.9950, -2.4625, -3.5036
Hunter-Lab	42.5604, -5.4853, 4.7746

Details

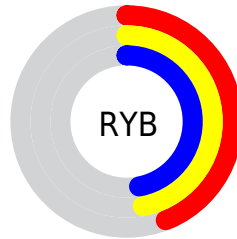
The YIQ color $[116.9950, -1.6040, -3.9720]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[115.0050, 1.6040, 3.9720]$, and the grayscale version is $[117.0000, -0.0000, 0.0000]$.

A 20% lighter version of the original color is $[168.9950, -1.6040, -3.9720]$, and $[68.9950, -1.6040, -3.9720]$ is the 20% darker color. If you saturate the color by 10%, you get $[112.3380, -4.3080, -10.0360]$, and if you desaturate by 10%, it is $[121.6520, 1.1000, 2.0920]$.

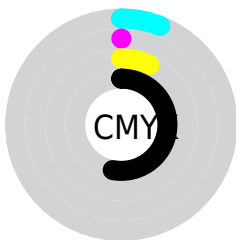
Distribution



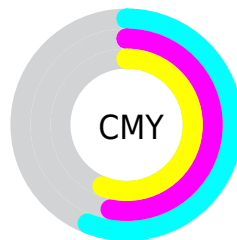
- Red (44%)
- Green (47%)
- Blue (44%)



- Red (44%)
- Yellow (47%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 116.9950, -1.6040, -3.9720 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 116.9950, -1.6040, -3.9720 by changing the saturation by 10% instead.

■ 116.9950, -1.6040,
-3.9720

■ 116.9950, -1.6040,
-3.9720

■ 255.0000, -0.0000,
-0.0000

■ 92.4080, -1.3290,
-3.4490

■ 168.9950, -1.6040,
-3.9720

■ 68.9950, -1.6040,
-3.9720

■ 196.5820, -1.8790,
-4.4950

■ 46.4080, -1.3290,
-3.4490

■ 224.5820, -1.8790,
-4.4950

■ 25.8210, -1.0540,
-2.9260

■ 251.9950, -1.6040,
-3.9720

■ 0.0000, 0.0000,
0.0000

■ 116.9950, -1.6040,

■ 116.9950, -1.6040,

-3.9720

-3.9720

■ 112.3380, -4.3080,
-10.0360

■ 121.6520, 1.1000,
2.0920

■ 107.9800, -6.4160,
-15.8880

■ 126.0100, 3.2080,
7.9440

■ 103.3230, -9.1200,
-21.9520

■ 130.6670, 5.9120,
14.0080

■ 98.9650, -11.2280,
-27.8040

■ 135.0250, 8.0200,
19.8600

■ 94.3080, -13.9320,
-33.8680

■ 139.6820, 10.7240,
25.9240

■ 89.9500, -16.0400,
-39.7200

■ 144.0400, 12.8320,
31.7760

■ 85.2930, -18.7440,
-45.7840

■ 148.6970, 15.5360,
37.8400

■ 80.9350, -20.8520,
-51.6360

■ 153.0550, 17.6440,
43.6920

■ 76.2780, -23.5560,
-57.7000

■ 157.7120, 20.3480,
49.7560

Harmonies

Analogous

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



117.5610, 2.6140, -3.3220



116.9950, -1.6040, -3.9720



116.8420, -5.5470, -4.0990

Triad

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



116.9950, -1.6040, -3.9720



117.8190, -6.7400, 1.0040



118.8870, 7.7480, 2.7560

Complementary

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



116.9950, -1.6040, -3.9720



115.0050, 1.6040, 3.9720

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.



119.1580, 5.5470, 4.0990



116.9950, -1.6040, -3.9720



118.1400, -3.2100, 3.1100

Square

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



116.9950, -1.6040, -3.9720



116.9820, -8.7570, -0.9890



119.0050, 1.6040, 3.9720



118.7190, 8.1610, 0.7770

Rectangle

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



116.9950, -1.6040, -3.9720



116.7000, -8.0230, -3.2790



119.0050, 1.6040, 3.9720



119.0010, 7.4270, 3.0670

Sweetspot

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



116.9950, -1.6040, -3.9720



154.6470, -0.5040, -1.8800



118.5010, 2.8430, -1.9650



78.4730, 0.0460, -0.8340



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



116.9950, -1.6040, -3.9720



151.2290, -2.3830, -6.3750



117.0380, -3.1630, -3.2510



58.8210, -1.0540, -2.9260



78.1590, -24.8390, -61.9830



157.1930, -50.8240, -125.2240

Inverse Universe

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



115.0050, 1.6040, 3.9720



147.7710, 2.3830, 6.3750



114.9620, 3.1630, 3.2510



57.1790, 1.0540, 2.9260



46.8410, 24.8390, 61.9830



94.8070, 50.8240, 125.2240

Previews

White Background



This preview shows how the YIQ color 116.9950, -1.6040, -3.9720 looks on a white background.

Color Contrast Check

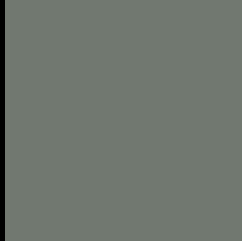
Large Text (above 18pt) WCAG AA ✓ Pass

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 116.9950, -1.6040, -3.9720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

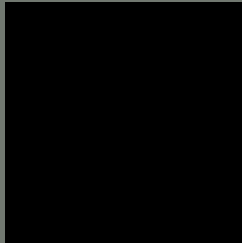
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 116.9950, -1.6040, -3.9720

Background



This preview shows how black text looks on a background with the YIQ color 116.9950, -1.6040, -3.9720.



This preview shows how white text looks on a background with the YIQ color 116.9950, -1.6040,

-3.9720.

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

116.9950, -1.6040, -3.9720

Protanopia

117.8110, 4.9060, -0.8060

Deuteranopia

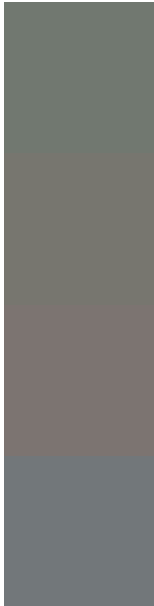
118.9690, 10.4530, 3.2930



Tritanopia

118.1290, -4.6770, 2.1630

Trichromacy



Original Color

116.9950, -1.6040, -3.9720

Protanomaly

117.5010, 2.8430, -1.9650

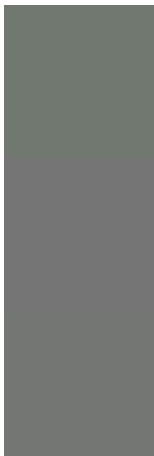
Deuteranomaly

118.0500, 5.7310, 0.7630

Tritanomaly

117.8470, -3.9430, -0.1270

Monochromacy



Original Color

116.9950, -1.6040, -3.9720

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

117.0600, -0.2290, -1.3570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.9950, -1.6040, -3.9720 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(113, 120, 112)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 112)  
}
```

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(113, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 112) }
```

Border

The CSS property to change the border of an element to YIQ 116.9950, -1.6040, -3.9720 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(113, 120, 112) }
```


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

```
.border{ border-color:rgb(113, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
112) }
```

Background

The CSS property to change the background color of an element to YIQ 116.9950, -1.6040, -3.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 112) }
```

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

```
.background{ background-color: rgb(113,  
120, 112) }
```

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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