

Converting Colors

YIQ(91.9730, -12.5650, 12.9630)

Have a look what the booklet for
YIQ(91.9730, -12.5650, 12.9630)
contains.

| | |
|--|----|
| YIQ(91.9730, -12.5650, 12.9630) | 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(91.9730, -12.5650,
12.9630)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 585780 |
| RGB | 88, 87, 128 |
| RGB Percent | 35%, 34%, 50% |
| CMY | 0.6549, 0.6588, 0.4981 |
| CMYK | 0.31, 0.32, 0.00, 0.50 |
| HSL | 241°, 19%, 42% |
| HSV | 241°, 32%, 50% |
| XYZ | 11.3283, 10.4494, 21.8348 |
| YIQ | 91.9730, -12.5650, 12.9630 |

Conversions

Conversions Part 2

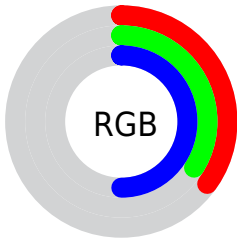
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 88, 87, 128 |
| Decimal | 5789568 |
| CIE _{Lab} | 38.64, 10.56, -22.86 |
| CIE _{LCh} | 39, 25.183, 294.786 |
| Yxy | 10.4494, 0.2597, 0.2396 |
| Android (android.graphics.Color) | 4283979648 (0xFF585780) |
| YUV | 91.9730, 17.7613, -3.4843 |
| Hunter-Lab | 32.3255, 5.9846, -17.4206 |

Details

The YIQ color **91.9730, -12.5650, 12.9630** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **123.0270, 12.5650, -12.9630**, and the grayscale version is **92.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **142.6140, -12.9320, 14.1080**, and **45.6200, -13.0690, 11.0830** is the 20% darker color. If you saturate the color by 10%, you get **80.7540, -16.1420, 17.2180**, and if you desaturate by 10%, it is **103.1920, -8.9880, 8.7080**.

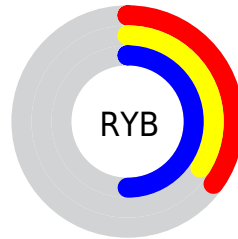
Distribution



Red (35%)

Green (34%)

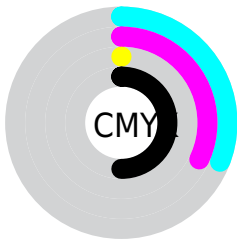
Blue (50%)



Red (35%)

Yellow (34%)

Blue (50%)

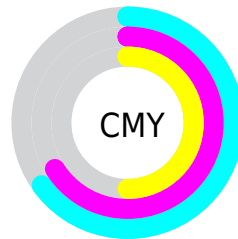


Cyan (31%)

Magenta (32%)

Yellow (0%)

Black (50%)



Cyan (65%)

Magenta (66%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 91.9730, -12.5650, 12.9630 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 91.9730, -12.5650, 12.9630 by changing the saturation by 10% instead.

■ 91.9730, -12.5650,
12.9630

■ 91.9730, -12.5650,
12.9630

■ 255.0000, -0.0000,
-0.0000

■ 68.4460, -12.5190,
12.1290

■ 142.6140,
-12.9320, 14.1080

■ 45.6200, -13.0690,
11.0830

■ 169.1410,
-12.9780, 14.9420

■ 24.2670, -13.5730,
9.2030

■ 196.2550,
-13.2990, 15.2530

■ 3.8760, -10.9140,
10.5740

■ 223.1150,
-10.0890, 12.1430

■ 0.9120, -2.5680,
2.4880

■ 248.2220, -0.5050,
3.6470

■ 0.0000, 0.0000,
0.0000

■ 91.9730, -12.5650,
12.9630

■ 91.9730, -12.5650,
12.9630

■ 80.7540, -16.1420,
17.2180

■ 103.1920, -8.9880,
8.7080

■ 69.2360, -20.3150,
21.2610

■ 114.7100, -4.8150,
4.6650

■ 58.6040, -24.1670,
24.9930

■ 125.3420, -0.9630,
0.9330

■ 47.0860, -28.3400,
29.0360

■ 136.8600, 3.2100,
-3.1100

■ 35.8670, -31.9170,
33.2910

■ 148.0790, 6.7870,
-7.3650

■ 24.3490, -36.0900,
37.3340

■ 159.5970, 10.9600,
-11.4080

■ 15.4890, -39.3000,
40.4440

■ 170.8160, 14.5370,
-15.6630

■ 181.7470, 18.9850,

-19.1830

■ 192.9660, 22.5620,
-23.4380

Harmonies

Analogous

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



86.2580, -35.7170, 3.0270



91.9730, -12.5650, 12.9630



93.8570, 8.4330, 17.8810

Triad

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



91.9730, -12.5650, 12.9630



90.9360, 32.4150, 1.7510



79.9580, -35.7130, -19.0810

Complementary

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



91.9730, -12.5650, 12.9630



123.0270, 12.5650, -12.9630

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.



84.5880, -11.1840, -17.5840



91.9730, -12.5650, 12.9630



89.9360, 23.2470, -8.3130

Square

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



91.9730, -12.5650, 12.9630



92.0320, 32.5050, 11.1370



87.8200, 8.7140, -14.7580



72.0720, -62.3970, -20.0690

Rectangle

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



91.9730, -12.5650, 12.9630



93.3160, 20.2620, 18.2620



87.8200, 8.7140, -14.7580



81.8620, -26.6350, -18.4030

Sweetspot

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



91.9730, -12.5650, 12.9630



151.2370, -4.8610, 5.4990



115.1540, -24.1610, -8.1690



75.1400, -3.2100, 3.1100



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



91.9730, -12.5650, 12.9630



110.4810, -19.6270, 19.8050



97.9530, -0.6450, 17.2030



58.0970, -1.6510, 2.3890



15.4890, -39.3000, 40.4440



0.0000, 0.0000, 0.0000

Inverse Universe

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



103.8190, 11.5960, 21.1320



128.7910, 17.9670, 32.3270



117.0470, 0.6450, -17.2030



59.8910, 1.9250, 3.6610



52.4080, 36.4840, 65.7000



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 91.9730, -12.5650, 12.9630 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 91.9730, -12.5650, 12.9630 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 91.9730, -12.5650, 12.9630

Background



This preview shows how black text looks on a background with the YIQ color 91.9730, -12.5650, 12.9630.

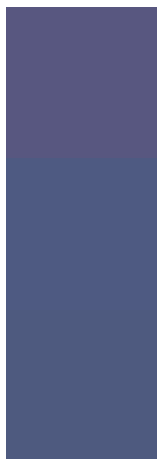


This preview shows how white text looks on a background with the YIQ color 91.9730, -12.5650,

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

91.9730, -12.5650, 12.9630

Protanopia

90.9720, -19.9920, 9.8960

Deuteranopia

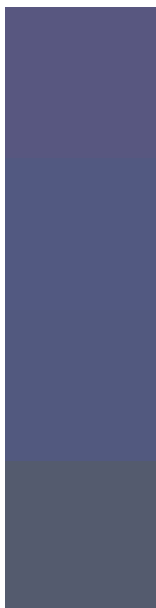
90.6300, -19.0290, 8.9630



Tritanopia

90.5090, -8.8030, -0.1550

Trichromacy



Original Color

91.9730, -12.5650, 12.9630

Protanomaly

91.4670, -17.0120, 10.9560

Deuteranomaly

91.2390, -16.3700, 10.3340

Tritanomaly

91.0730, -10.2710, 4.4250

Monochromacy



Original Color

91.9730, -12.5650, 12.9630

Achromatopsia

92.0000, 0.0000, -0.0000

Achromatomaly

92.0090, -4.2190, 4.8770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 91.9730, -12.5650, 12.9630 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(88, 87, 128)` looks like.

```
.text, #text, p{  
    color:rgb(88, 87, 128)  
}
```

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(88, 87, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 87, 128) }
```

Border

The CSS property to change the border of an element to YIQ 91.9730, -12.5650, 12.9630 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(88, 87, 128) }
```


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

```
.border{ border-color:rgb(88, 87, 128) }
```

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

Here you see how a box with a 4 pixel rgb(88, 87, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 87, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 87, 128);  
box-shadow:4px 4px 4px 4px rgb(88, 87,  
128) }
```

Background

The CSS property to change the background color of an element to YIQ 91.9730, -12.5650, 12.9630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 87, 128) }
```

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

```
.background{ background-color: rgb(88, 87,  
128) }
```

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