

Converting Colors

YIQ(85.9750, -14.9060, 27.8620)

Have a look what the booklet for
YIQ(85.9750, -14.9060, 27.8620)
contains.

YIQ(85.9750, -14.9060, 27.8620)	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(85.9750, -14.9060,
27.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	594896
RGB	89, 72, 150
RGB Percent	35%, 28%, 59%
CMY	0.6509, 0.7177, 0.4119
CMYK	0.41, 0.52, 0.00, 0.41
HSL	253°, 35%, 44%
HSV	253°, 52%, 59%
XYZ	11.9415, 8.9598, 29.9413
YIQ	85.9750, -14.9060, 27.8620

Conversions

Conversions Part 2

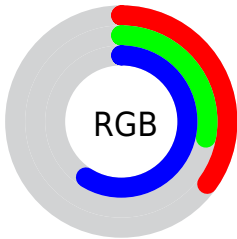
Format	Color
R_{YB}	89, 72, 150
Decimal	5851286
CIE _{Lab}	35.91, 26.69, -40.56
CIE _{LCh}	36, 48.555, 303.343
Yxy	8.9598, 0.2349, 0.1762
Android (android.graphics.Color)	4284041366 (0xFF594896)
YUV	85.9750, 31.5643, 2.6529
Hunter-Lab	29.9330, 18.8282, -38.3535

Details

The YIQ color $85.9750, -14.9060, 27.8620$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $136.0250, 14.9060, -27.8620$, and the grayscale version is $86.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $136.8550, -14.4480, 30.5760$, and $38.3720, -17.7020, 23.4660$ is the 20% darker color. If you saturate the color by 10%, you get $73.5820, -17.9330, 33.1630$, and if you desaturate by 10%, it is $98.3680, -11.8790, 22.5610$.

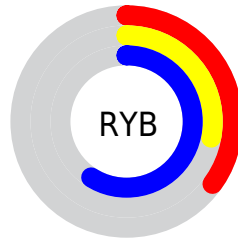
Distribution



Red (35%)

Green (28%)

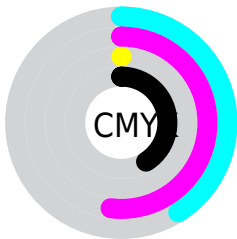
Blue (59%)



Red (35%)

Yellow (28%)

Blue (59%)

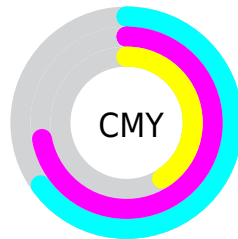


Cyan (41%)

Magenta (52%)

Yellow (0%)

Black (41%)



Cyan (65%)

Magenta (72%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.9750, -14.9060, 27.8620 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 85.9750, -14.9060, 27.8620 by changing the saturation by 10% instead.

■ 85.9750, -14.9060,
27.8620

■ 85.9750, -14.9060,
27.8620

■ 255.0000, -0.0000,
-0.0000

■ 61.7360, -15.7310,
26.2930

■ 136.8550,
-14.4480, 30.5760

■ 38.3720, -17.7020,
23.4660

■ 163.6810,
-13.8980, 31.6220

■ 13.1540, -23.0200,
20.7240

■ 189.8230,
-11.4220, 30.8020

■ 5.8140, -16.3710,
15.8610

■ 214.6310, -2.4340,
22.0940

■ 4.4800, -9.8590,
7.9730

■ 239.7380, 7.1500,
13.5980

■ 0.0000, 0.0000,
0.0000

■ 85.9750, -14.9060,
27.8620

■ 85.9750, -14.9060,
27.8620

■ 73.5820, -17.9330,
33.1630

■ 98.3680, -11.8790,
22.5610

■ 61.4880, -20.3640,
38.6760

■ 110.4620, -9.4480,
17.0480

■ 49.0950, -23.3910,
43.9770

■ 122.8550, -6.4210,
11.7470

■ 36.7020, -26.4180,
49.2780

■ 135.2480, -3.3940,
6.4460

■ 26.9670, -28.4820,
53.6460

■ 147.6410, -0.3670,
1.1450

■ 159.7350, 2.0640,
-4.3680

■ 172.1280, 5.0910,
-9.6690

■ 184.5210, 8.1180,

-14.9700

■ 196.9140, 11.1450,
-20.2710

Harmonies

Analogous

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



70.2380, -76.5230, 4.6690



85.9750, -14.9060, 27.8620



84.8570, 26.7690, 38.0090

Triad

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



85.9750, -14.9060, 27.8620



79.8720, 55.6620, -6.5620



69.9060, -56.2980, -25.9780

Complementary

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



85.9750, -14.9060, 27.8620



136.0250, 14.9060, -27.8620

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.



64.0580, -42.5870, -37.6830



85.9750, -14.9060, 27.8620



78.6100, 35.3080, -23.1560

Square

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



85.9750, -14.9060, 27.8620



79.5040, 60.6550, 18.5990



73.2040, 6.7920, -35.0000



74.2380, -68.4960, -14.1600

Rectangle

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



85.9750, -14.9060, 27.8620



81.2090, 46.2090, 38.1210



73.2040, 6.7920, -35.0000



68.3100, -51.8040, -30.3320

Sweetspot

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



85.9750, -14.9060, 27.8620



168.6270, -5.7790, 11.1250



116.6990, -41.8130, -7.6450



81.6610, -3.1190, 6.9690



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000

Same Dimension

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



85.9750, -14.9060, 27.8620



95.4540, -23.0240, 42.8320



97.6360, 8.3380, 36.1300



68.0970, -1.6510, 2.3890



24.7020, -26.4180, 49.2780



1.7380, -2.0180, 3.5340

Inverse Universe

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



102.2760, 26.9070, 35.5070



120.5960, 41.3460, 54.6740



124.3640, -8.3380, -36.1300



69.6630, 2.5670, 3.0390



53.5740, 47.5800, 62.8440



3.9020, 3.3920, 4.6080

Previews

White Background



This preview shows how the YIQ color 85.9750, -14.9060, 27.8620 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



This preview shows how the YIQ color 85.9750, -14.9060, 27.8620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

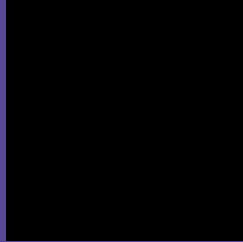
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.9750, -14.9060, 27.8620

Background



This preview shows how black text looks on a background with the YIQ color 85.9750, -14.9060, 27.8620.



This preview shows how white text looks on a background with the YIQ color 85.9750, -14.9060,

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

85.9750, -14.9060, 27.8620

Protanopia

78.9320, -48.8780, 15.7780

Deuteranopia

77.4060, -50.5730, 7.9470



Tritanopia

83.5090, -8.8030, -0.1550

Trichromacy



Original Color

85.9750, -14.9060, 27.8620

Protanomaly

81.2110, -36.3620, 20.2300

Deuteranomaly

80.5650, -37.5990, 15.1130

Tritanomaly

84.4630, -11.1890, 10.0510

Monochromacy



Original Color

85.9750, -14.9060, 27.8620

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

85.9860, -5.4120, 9.9800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.9750, -14.9060, 27.8620 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(89, 72, 150)` looks like.

```
.text, #text, p{  
    color:rgb(89, 72, 150)  
}
```

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(89, 72, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 72, 150) }
```

Border

The CSS property to change the border of an element to YIQ 85.9750, -14.9060, 27.8620 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(89, 72, 150) }
```


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

```
.border{ border-color:rgb(89, 72, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 72, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 72, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 72, 150);  
box-shadow:4px 4px 4px 4px rgb(89, 72,  
150) }
```

Background

The CSS property to change the background color of an element to YIQ 85.9750, -14.9060, 27.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 72, 150) }
```

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

```
.background{ background-color: rgb(89, 72,  
150) }
```

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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