

Converting Colors

YIQ(99.8720, -66.9850, -2.9930)

Have a look what the booklet for
YIQ(99.8720, -66.9850, -2.9930)
contains.

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Color

**YIQ(99.8720, -66.9850,
-2.9930)**

Conversions

Conversions Part 1

Format	Color
Hex	2278A9
RGB	34, 120, 169
RGB Percent	13%, 47%, 66%
CMY	0.8668, 0.5293, 0.3376
CMYK	0.80, 0.29, 0.00, 0.34
HSL	202°, 67%, 40%
HSV	202°, 80%, 66%
XYZ	14.5332, 16.6427, 39.9444
YIQ	99.8720, -66.9850, -2.9930

Conversions

Conversions Part 2

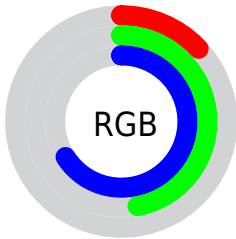
Format	Color
R_{YB}	34, 87, 169
Decimal	2259113
CIE _{Lab}	47.81, -7.66, -33.16
CIE _{LCh}	48, 34.035, 256.994
Yxy	16.6427, 0.2043, 0.2340
Android (android.graphics.Color)	4280449193 (0xFF2278A9)
YUV	99.8720, 34.0801, -57.7697
Hunter-Lab	40.7954, -7.8020, -29.4963

Details

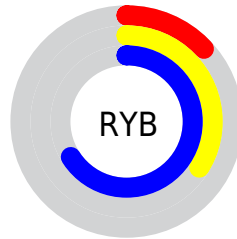
The YIQ color **99.8720, -66.9850, -2.9930** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **103.1280, 66.9850, 2.9930**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.6990, -59.0080, 1.1200**, and **55.6020, -57.3570, -1.2690** is the 20% darker color. If you saturate the color by 10%, you get **91.2670, -75.4670, -3.4590**, and if you desaturate by 10%, it is **108.4770, -58.5030, -2.5270**.

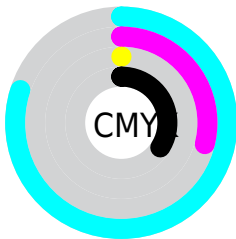
Distribution



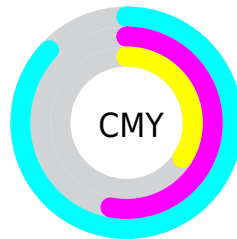
- Red (13%)
- Green (47%)
- Blue (66%)



- Red (13%)
- Yellow (34%)
- Blue (66%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)



- Cyan (87%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8720, -66.9850, -2.9930 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 99.8720, -66.9850, -2.9930 by changing the saturation by 10% instead.

■ 99.8720, -66.9850,
-2.9930

■ 99.8720, -66.9850,
-2.9930

■ 255.0000, -0.0000,
-0.0000

■ 71.9530, -71.7070,
-5.5230

■ 156.6990,
-59.0080, 1.1200

■ 55.4880, -57.0360,
-1.5800

■ 184.5250,
-58.4580, 2.1660

■ 39.8380, -43.2820,
2.4620

■ 209.8600,
-49.5160, -5.7080

■ 24.7750, -29.8030,
5.9810

■ 234.9670,
-39.9320, -14.2040

■ 6.8910, -15.2700,
12.4260

■ 243.9370,
-22.0520, -7.8440

■ 3.3230, -7.9790,
6.9410

■ 252.9070, -4.1720,

■ 0.0000, 0.0000,

-1.4840

0.0000

■ 99.8720, -66.9850,
-2.9930

■ 99.8720, -66.9850,
-2.9930

■ 91.2670, -75.4670,
-3.4590

■ 108.4770,
-58.5030, -2.5270

■ 82.6620, -83.9490,
-3.9250

■ 117.0820,
-50.0210, -2.0610

■ 125.6870,
-41.5390, -1.5950

■ 134.8790,
-33.3320, -1.6520

■ 143.1850,
-25.4460, -1.3980

■ 151.7900,
-16.9640, -0.9320

■ 160.3950, -8.4820,
-0.4660

■ 169.0000, -0.0000,
-0.0000

■ 177.6050, 8.4820,
0.4660

Harmonies

Analogous

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



91.6320, -84.4050, -17.6930



99.8720, -66.9850, -2.9930



113.0130, -27.2370, 14.5470

Triad

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



99.8720, -66.9850, -2.9930



114.8210, 43.6450, 18.5010



105.9270, -8.0650, -24.5530

Complementary

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



99.8720, -66.9850, -2.9930



103.1280, 66.9850, 2.9930

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.



109.5620, 18.0680, -19.0840



99.8720, -66.9850, -2.9930



113.4000, 45.8480, 6.1040

Square

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



99.8720, -66.9850, -2.9930



116.0340, 30.1640, 26.0360



111.7650, 36.9100, -8.1300



97.6100, -43.7810, -27.0530

Rectangle

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



99.8720, -66.9850, -2.9930



115.9620, -4.8640, 22.0800



111.7650, 36.9100, -8.1300



107.2440, 1.2880, -23.3520

Sweetspot

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



99.8720, -66.9850, -2.9930



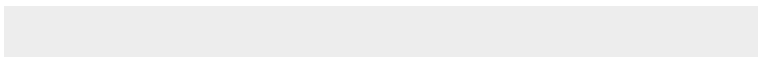
192.2990, -25.7670, -1.0870



118.6030, -52.2120, -55.9880



93.3880, -15.7720, -0.5080



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



99.8720, -66.9850, -2.9930



111.5980, -104.2600, -4.7720



61.1300, -48.8350, 31.5250



79.8470, -3.9430, -0.1270



72.0500, -73.3580, -3.1340



9.9110, -9.9950, -0.5790

Inverse Universe

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



84.1690, 52.8540, 55.3660



87.0660, 82.1460, 86.1940



141.8700, 48.8350, -31.5250



78.9620, 3.1630, 3.2510



54.9680, 58.0340, 60.6100



7.4620, 7.7470, 8.2830

Previews

White Background



This preview shows how the YIQ color 99.8720, -66.9850, -2.9930 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 99.8720, -66.9850, -2.9930 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 99.8720, -66.9850, -2.9930

Background



This preview shows how black text looks on a background with the YIQ color 99.8720, -66.9850, -2.9930.

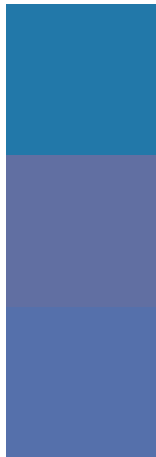


This preview shows how white text looks on a background with the YIQ color 99.8720, -66.9850,

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

99.8720, -66.9850, -2.9930

Protanopia

112.6280, -24.7150, 12.8930

Deuteranopia

110.6530, -35.0310, 12.6250



Tritanopia

88.7650, -77.7100, -23.3900

Trichromacy



Original Color

99.8720, -66.9850, -2.9930

Protanomaly

107.8540, -40.2110, 7.3810

Deuteranomaly

106.6190, -46.8590, 6.7170

Tritanomaly

92.5470, -73.8600, -16.0680

Monochromacy



Original Color

99.8720, -66.9850, -2.9930

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

99.7830, -24.2540, -0.9740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.8720, -66.9850, -2.9930 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(34, 120, 169)` looks like.

```
.text, #text, p{  
    color:rgb(34, 120, 169)  
}
```

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(34, 120, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 120, 169) }
```

Border

The CSS property to change the border of an element to YIQ 99.8720, -66.9850, -2.9930 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(34, 120, 169) }
```


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

```
.border{ border-color:rgb(34, 120, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 120, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 120, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 120, 169);  
box-shadow:4px 4px 4px 4px rgb(34, 120,  
169) }
```

Background

The CSS property to change the background color of an element to YIQ 99.8720, -66.9850, -2.9930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 120, 169) }
```

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

```
.background{ background-color: rgb(34, 120,  
169) }
```

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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