

Converting Colors

YIQ(109.9800, -22.4700,
21.7700)

Have a look what the booklet for
YIQ(109.9800, -22.4700, 21.7700)
contains.

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Color

**YIQ(109.9800, -22.4700,
21.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	6666AC
RGB	102, 102, 172
RGB Percent	40%, 40%, 67%
CMY	0.5999, 0.6000, 0.3256
CMYK	0.41, 0.41, 0.00, 0.33
HSL	240°, 30%, 54%
HSV	240°, 41%, 67%
XYZ	17.6750, 15.3054, 41.0340
YIQ	109.9800, -22.4700, 21.7700

Conversions

Conversions Part 2

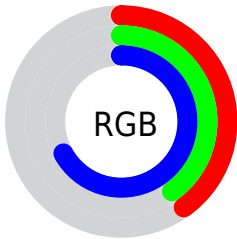
Format	Color
RYB	102, 102, 172
Decimal	6710956
CIELab	46.05, 17.94, -37.48
CIELCh	46, 41.553, 295.575
Yxy	15.3054, 0.2388, 0.2068
Android (android.graphics.Color)	4284901036 (0xFF6666AC)
YUV	109.9800, 30.5759, -6.9985
Hunter-Lab	39.1221, 12.1812, -34.8021

Details

The YIQ color $109.9800, -22.4700, 21.7700$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $164.0200, 22.4700, -21.7700$, and the grayscale version is $110.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $162.4470, -22.2870, 23.9610$, and $60.5020, -24.1200, 18.6320$ is the 20% darker color. If you saturate the color by 10%, you get $94.9180, -27.9270, 27.0570$, and if you desaturate by 10%, it is $125.0420, -17.0130, 16.4830$.

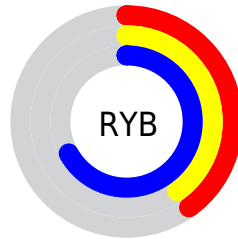
Distribution



Red (40%)

Green (40%)

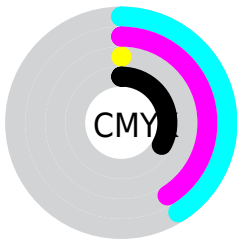
Blue (67%)



Red (40%)

Yellow (40%)

Blue (67%)

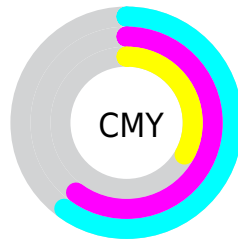


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (33%)



Cyan (60%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.9800, -22.4700, 21.7700 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 109.9800, -22.4700, 21.7700 by changing the saturation by 10% instead.

■ 109.9800,
-22.4700, 21.7700

■ 109.9800,
-22.4700, 21.7700

■ 255.0000, -0.0000,
-0.0000

■ 85.0400, -22.6990,
20.4130

■ 162.4470,
-22.2870, 23.9610

■ 60.5020, -24.1200,
18.6320

■ 189.7460,
-21.6910, 24.1730

■ 36.6540, -27.6040,
15.6920

■ 213.9670,
-12.4280, 15.9880

■ 16.1980, -26.3200,
14.4480

■ 239.0740, -2.8440,
7.4920

■ 7.1190, -15.9120,
13.0480

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,

0.0000

■ 109.9800,
-22.4700, 21.7700

■ 109.9800,
-22.4700, 21.7700

■ 94.9180, -27.9270,
27.0570

■ 125.0420,
-17.0130, 16.4830

■ 79.8560, -33.3840,
32.3440

■ 140.1040,
-11.5560, 11.1960

■ 63.9080, -39.1620,
37.9420

■ 156.0520, -5.7780,
5.5980

■ 48.8460, -44.6190,
43.2290

■ 171.1140, -0.3210,
0.3110

■ 33.7840, -50.0760,
48.5160

■ 186.1760, 5.1360,
-4.9760

■ 19.6080, -55.2120,
53.4920

■ 201.2380, 10.5930,
-10.2630

■ 216.3000, 16.0500,
-15.5500

■ 232.2480, 21.8280,
-21.1480

■ 245.5380, 26.6430,
-25.8130

Harmonies

Analogous

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



87.2100, -88.4880, -4.2640



109.9800, -22.4700, 21.7700



112.5950, 15.5830, 31.4790

Triad

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



109.9800, -22.4700, 21.7700



107.4730, 52.7720, 1.7640



85.7040, -67.7130, -33.8650

Complementary

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



109.9800, -22.4700, 21.7700



164.0200, 22.4700, -21.7700

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.



96.3980, -22.8730, -31.5210



109.9800, -22.4700, 21.7700



105.5060, 38.8370, -15.5230

Square

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



109.9800, -22.4700, 21.7700



108.5080, 54.8320, 19.5040



102.5950, 13.3010, -26.3070



89.6940, -78.9480, -22.9800

Rectangle

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



109.9800, -22.4700, 21.7700



111.0610, 34.7020, 31.9020



102.5950, 13.3010, -26.3070



83.7490, -63.5860, -37.0740

Sweetspot

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



109.9800, -22.4700, 21.7700



200.0780, -8.6670, 8.3970



151.0700, -41.7200, -14.8400



97.8240, -5.1360, 4.9760



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



109.9800, -22.4700, 21.7700



126.5400, -35.3100, 34.2100



120.4450, -1.6100, 29.1900



79.0260, -2.8890, 2.7990



17.1000, -48.1500, 46.6500



2.6220, -7.3830, 7.1530

Inverse Universe

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



130.9100, 19.2500, 36.6100



159.4300, 30.2500, 57.5300



153.5550, 1.6100, -29.1900



81.7170, 2.4750, 4.7070



61.9500, 41.2500, 78.4500



9.4990, 6.3250, 12.0290

Previews

White Background



This preview shows how the YIQ color 109.9800, -22.4700, 21.7700 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 109.9800, -22.4700, 21.7700 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 109.9800, -22.4700, 21.7700

Background



This preview shows how black text looks on a background with the YIQ color 109.9800, -22.4700, 21.7700.



This preview shows how white text looks on a background with the YIQ color 109.9800, -22.4700, 21.7700.

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

109.9800, -22.4700, 21.7700

Protanopia

107.3910, -37.0490, 16.1590

Deuteranopia

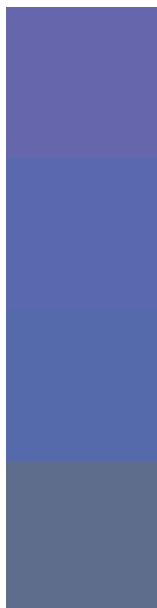
106.0870, -39.2490, 11.9750



Tritanopia

107.1490, -16.5970, -2.0770

Trichromacy



Original Color

109.9800, -22.4700, 21.7700

Protanomaly

108.1960, -32.0060, 18.3780

Deuteranomaly

107.1310, -33.3810, 15.7630

Tritanomaly

108.0490, -18.8910, 6.4610

Monochromacy



Original Color

109.9800, -22.4700, 21.7700

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

109.9640, -8.3460, 8.0860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.9800, -22.4700, 21.7700 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(102, 102, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 172)  
}
```

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(102, 102, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 172) }
```

Border

The CSS property to change the border of an element to YIQ 109.9800, -22.4700, 21.7700 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(102, 102, 172) }
```


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

```
.border{ border-color:rgb(102, 102, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
172) }
```

Background

The CSS property to change the background color of an element to YIQ 109.9800, -22.4700, 21.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 172) }
```

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

```
.background{ background-color: rgb(102,  
102, 172) }
```

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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