

Converting Colors

YIQ(77.8610, 32.3960, 106.7640)

Have a look what the booklet for
YIQ(77.8610, 32.3960, 106.7640)
contains.

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Color

**YIQ(77.8610, 32.3960,
106.7640)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00E0
RGB	175, 0, 224
RGB Percent	69%, 0%, 88%
CMY	0.3132, 1.0000, 0.1216
CMYK	0.22, 1.00, 0.00, 0.12
HSL	287°, 100%, 44%
HSV	287°, 100%, 88%
XYZ	31.1640, 14.5116, 71.6713
YIQ	77.8610, 32.3960, 106.7640

Conversions

Conversions Part 2

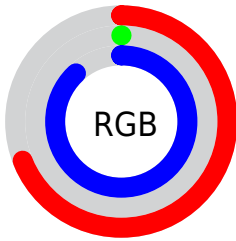
Format	Color
RYB	175, 0, 224
Decimal	11469024
CIELab	44.96, 82.03, -68.88
CIElCh	45, 107.112, 319.981
Yxy	14.5116, 0.2656, 0.1237
Android (android.graphics.Color)	4289659104 (0xFFAF00E0)
YUV	77.8610, 72.0465, 85.1909
Hunter-Lab	38.0941, 79.3629, -84.8842

Details

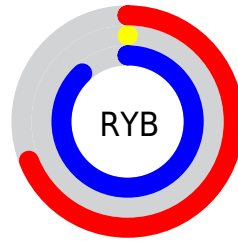
The YIQ color **77.8610, 32.3960, 106.7640** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **146.1390, -32.3960, -106.7640**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.5780, 33.7300, 82.5780**, and **53.7220, 15.5290, 76.5290** is the 20% darker color. If you saturate the color by 10%, you get **77.8610, 32.3960, 106.7640**, and if you desaturate by 10%, it is **92.2700, 29.3260, 96.3180**.

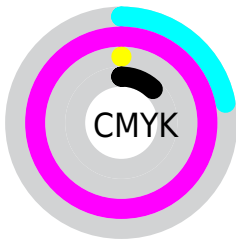
Distribution



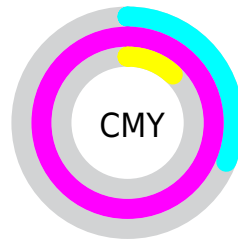
- Red (69%)
- Green (0%)
- Blue (88%)



- Red (69%)
- Yellow (0%)
- Blue (88%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.8610, 32.3960, 106.7640 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 77.8610, 32.3960, 106.7640 by changing the saturation by 10% instead.

■ 77.8610, 32.3960,
106.7640

■ 77.8610, 32.3960,
106.7640

■ 255.0000, -0.0000,
-0.0000

■ 65.5850, 23.8250,
91.3850

■ 151.8770, 34.3260,
82.7900

■ 53.7220, 15.5290,
76.5290

■ 175.1680, 37.4000,
71.1280

■ 41.6740, 6.3160,
61.7720

■ 192.7780, 29.1500,
55.4380

■ 29.7400, -3.2180,
47.3260

■ 209.8010, 21.1750,
40.2710

■ 16.3110, -15.7320,
31.8200

■ 227.4110, 12.9250,
24.5810

■ 7.2960, -20.5440,
19.9040

■ 245.0210, 4.6750,

■ 6.4350, -13.9860,

8.8910

11.1820

■ 2.6390, -6.0530,
5.0750

■ 0.0000, 0.0000,
0.0000

■ 77.8610, 32.3960,
106.7640

■ 92.2700, 29.3260,
96.3180

■ 107.2660, 25.9810,
85.3490

■ 121.6750, 22.9110,
74.9030

■ 136.6710, 19.5660,
63.9340

■ 151.0800, 16.4960,
53.4880

■ 165.1900, 12.8300,
42.8300

■ 180.1860, 9.4850,
31.8610

■ 194.5950, 6.4150,
21.4150

■ 209.5910, 3.0700,
10.4460

Harmonies

Analogous

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



87.1830, -109.0800, 27.5280



77.8610, 32.3960, 106.7640



88.0190, 98.6960, 94.6320

Triad

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



77.8610, 32.3960, 106.7640



100.3490, 67.0800, -15.2560



100.5170, -91.5110, -21.0710

Complementary

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



77.8610, 32.3960, 106.7640



146.1390, -32.3960, -106.7640

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.



88.0400, -60.5120, -48.7360



77.8610, 32.3960, 106.7640



91.3700, 8.7200, -47.9200

Square

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



77.8610, 32.3960, 106.7640



71.0300, 124.2440, 39.0920



77.4840, -36.3000, -69.0360



108.9360, -116.5950, 4.0210

Rectangle

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



77.8610, 32.3960, 106.7640



84.3970, 123.2740, 78.7140



77.4840, -36.3000, -69.0360



96.3960, -81.2850, -30.1890

Sweetspot

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



77.8610, 32.3960, 106.7640



205.3050, 10.7680, 36.1440



56.0600, -86.2040, 42.4680



97.7090, 6.0940, 21.7260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



77.8610, 32.3960, 106.7640



88.5710, 36.7490, 121.4930



85.6720, 80.8600, 98.4920



104.9450, 1.8330, 5.3290



61.3260, 25.7520, 83.9920



16.8340, 7.2400, 22.9840

Inverse Universe

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



72.5620, 117.7750, 62.7270



82.6290, 134.0040, 71.4760



138.3280, -80.8600, -98.4920



104.5170, 5.9140, 2.9540



56.9560, 92.6980, 49.1300



15.6060, 25.0770, 13.5970

Previews

White Background



This preview shows how the YIQ color 77.8610, 32.3960, 106.7640 looks on a white background.

Color Contrast Check

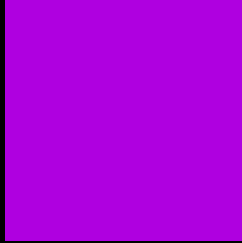
Large Text (above 18pt) WCAG AA ✓ Pass

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 77.8610, 32.3960, 106.7640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

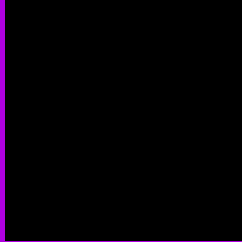
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.8610, 32.3960, 106.7640

Background



This preview shows how black text looks on a background with the YIQ color 77.8610, 32.3960, 106.7640.



This preview shows how white text looks on a background with the YIQ color 77.8610, 32.3960,

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

77.8610, 32.3960, 106.7640

Deuteranopia

87.0450, -92.1570, 1.6590

Tritanopia

109.0160, 38.6020, 16.2820

Trichromacy



Original Color

77.8610, 32.3960, 106.7640

Deuteranomaly

84.0690, -46.8650, 39.8790

Tritanomaly

97.6830, 36.4870, 49.1190

Monochromacy



Original Color

77.8610, 32.3960, 106.7640

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.0710, 11.5470, 38.5470

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.8610, 32.3960, 106.7640 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(175, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 224)  
}
```

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(175, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 224) }
```

Border

The CSS property to change the border of an element to YIQ 77.8610, 32.3960, 106.7640 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(175, 0, 224) }
```

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

```
.border{ border-color:rgb(175, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
224) }
```


Background

The CSS property to change the background color of an element to YIQ 77.8610, 32.3960, 106.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 224) }
```

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

```
.background{ background-color: rgb(175, 0,  
224) }
```

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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