

Converting Colors

YIQ(167.3000, 85.9710,
-21.7170)

Have a look what the booklet for
YIQ(167.3000, 85.9710, -21.7170)
contains.

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Color

**YIQ(167.3000, 85.9710,
-21.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9E23
RGB	236, 158, 35
RGB Percent	93%, 62%, 14%
CMY	0.0744, 0.3805, 0.8623
CMYK	0.00, 0.33, 0.85, 0.07
HSL	37°, 84%, 53%
HSV	37°, 85%, 93%
XYZ	47.1275, 42.4021, 7.2993
YIQ	167.3000, 85.9710, -21.7170

Conversions

Conversions Part 2

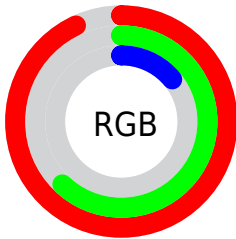
Format	Color
RYB	162, 236, 35
Decimal	15506979
CIELab	71.15, 20.11, 69.01
CIELCh	71, 71.878, 73.753
Yxy	42.4021, 0.4867, 0.4379
Android (android.graphics.Color)	4293697059 (0xFFEC9E23)
YUV	167.3000, -65.2239, 60.2499
Hunter-Lab	65.1169, 15.2327, 38.9357

Details

The YIQ color **167.3000, 85.9710, -21.7170** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **103.7000, -85.9710, 21.7170**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **211.8780, 63.5520, -28.4160**, and **114.8350, 74.2790, -19.0730** is the 20% darker color. If you saturate the color by 10%, you get **159.3950, 95.8290, -24.1630**, and if you desaturate by 10%, it is **175.3190, 75.7920, -18.9600**.

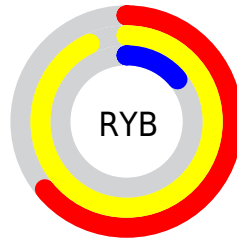
Distribution



Red (93%)

Green (62%)

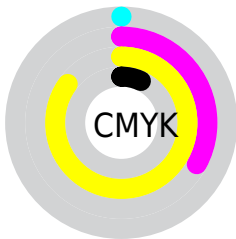
Blue (14%)



Red (64%)

Yellow (93%)

Blue (14%)

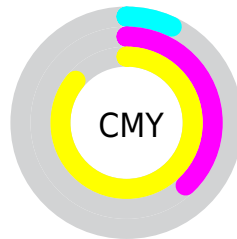


Cyan (0%)

Magenta (33%)

Yellow (85%)

Black (7%)



Cyan (7%)

Magenta (38%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 167.3000, 85.9710, -21.7170 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 167.3000, 85.9710, -21.7170 by changing the saturation by 10% instead.

167.3000, 85.9710,
-21.7170

167.3000, 85.9710,
-21.7170

255.0000, -0.0000,
-0.0000

138.7790, 85.8800,
-25.5760

211.8780, 63.5520,
-28.4160

114.8350, 74.2790,
-19.0730

231.3920, 47.1850,
-34.6630

91.4890, 63.8700,
-12.1460

242.8020, 34.3470,
-33.2770

69.0180, 52.3150,
-6.4770

245.9940, 25.3590,
-24.5690

47.4330, 41.0810,
-1.1190

249.3000, 16.0500,
-15.5500

27.0330, 30.7640,
4.1400

252.6060, 6.7410,

10.7640, 21.4560,

-6.5310

7.6320

■ 0.0000, 0.0000,
0.0000

■ 167.3000, 85.9710,
-21.7170

■ 167.3000, 85.9710,
-21.7170

■ 159.3950, 95.8290,
-24.1630

■ 175.3190, 75.7920,
-18.9600

■ 155.0920,
101.0560, -25.2800

■ 183.2240, 65.9340,
-16.5140

■ 191.2430, 55.7550,
-13.7570

■ 199.8490, 45.3010,
-11.5230

■ 207.7540, 35.4430,
-9.0770

■ 215.7730, 25.2640,
-6.3200

■ 223.6780, 15.4060,
-3.8740

■ 231.6970, 5.2270,
-1.1170

■ 240.3030, -5.2270,
1.1170

Harmonies

Analogous

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



162.9460, 88.3490, 12.2930



167.3000, 85.9710, -21.7170



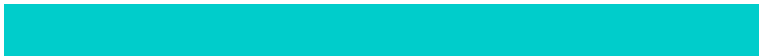
161.6890, 50.1220, -49.3500

Triad

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



167.3000, 85.9710, -21.7170



143.4770, -121.5380, -44.0820



177.5950, 7.5560, 50.3080

Complementary

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



167.3000, 85.9710, -21.7170



103.7000, -85.9710, 21.7170

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.



158.1510, -71.6640, 10.2240



167.3000, 85.9710, -21.7170



147.6440, -137.4050, -26.3410

Square

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



167.3000, 85.9710, -21.7170



134.5510, -99.1600, -64.1840



141.1870, -134.3800, -20.5880



168.6190, 51.7070, 59.6350

Rectangle

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



167.3000, 85.9710, -21.7170



157.6270, 9.1340, -55.4260



141.1870, -134.3800, -20.5880



174.1960, -13.6700, 38.5060

Sweetspot

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



167.3000, 85.9710, -21.7170



232.2140, 28.3360, -6.9280



104.2190, 94.1160, 67.4920



114.0480, 17.2400, -4.0720



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.



167.3000, 85.9710, -21.7170



167.8170, 109.0800, -27.5280



207.1060, 52.6010, -66.7510



113.3980, 4.6310, -1.3290



119.2760, 77.3510, -19.6810



35.5170, 23.1090, -5.8110

Inverse Universe

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



103.7000, -85.9710, 21.7170



87.1830, -109.0800, 27.5280



63.8940, -52.6010, 66.7510



109.6020, -4.6310, 1.3290



61.7240, -77.3510, 19.6810



18.4830, -23.1090, 5.8110

Previews

White Background



This preview shows how the YIQ color 167.3000, 85.9710, -21.7170 looks on a white 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

Black Background



This preview shows how the YIQ color 167.3000, 85.9710, -21.7170 looks on a black 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

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

YIQ 167.3000, 85.9710, -21.7170

Background



This preview shows how black text looks on a background with the YIQ color 167.3000, 85.9710, -21.7170.



This preview shows how white text looks on a background with the YIQ color 167.3000, 85.9710, -21.7170.

-21.7170.

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

167.3000, 85.9710, -21.7170

Protanopia

165.8890, 55.8510, -37.5330

Deuteranopia

166.6420, 75.8400, -30.8480



Tritanopia

176.6590, 53.0890, 23.5610

Trichromacy



Original Color

167.3000, 85.9710, -21.7170

Protanomaly

166.6240, 67.0830, -31.8370

Deuteranomaly

166.9030, 79.5990, -27.3850

Tritanomaly

173.2790, 65.2420, 7.0500

Monochromacy



Original Color

167.3000, 85.9710, -21.7170

Achromatopsia

167.0000, -0.0000, -0.0000

Achromatomaly

167.2420, 31.1330, -8.0590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 167.3000, 85.9710, -21.7170 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(236, 158, 35)` looks like.

```
.text, #text, p{  
    color:rgb(236, 158, 35)  
}
```

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(236, 158, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 158, 35) }
```

Border

The CSS property to change the border of an element to YIQ 167.3000, 85.9710, -21.7170 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(236, 158, 35) }
```


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

```
.border{ border-color:rgb(236, 158, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 158, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 158, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 158, 35);  
box-shadow:4px 4px 4px 4px rgb(236, 158,  
35) }
```

Background

The CSS property to change the background color of an element to YIQ 167.3000, 85.9710, -21.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 158, 35) }
```

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

```
.background{ background-color: rgb(236,  
158, 35) }
```

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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