

# Converting Colors

YIQ(42.2220, -9.6730, -6.4170)

Have a look what the booklet for  
YIQ(42.2220, -9.6730, -6.4170)  
contains.

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# Color

**YIQ(42.2220, -9.6730,  
-6.4170)**

# Conversions

Conversions Part 1	
Format	Color
Hex	1D312A
RGB	29, 49, 42
RGB Percent	11%, 19%, 16%
CMY	0.8863, 0.8078, 0.8353
CMYK	0.41, 0.00, 0.14, 0.81
HSL	159°, 26%, 15%
HSV	159°, 41%, 19%
XYZ	2.0228, 2.6255, 2.5899
YIQ	42.2220, -9.6730, -6.4170

# Conversions

## Conversions Part 2

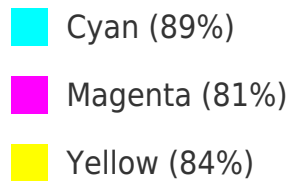
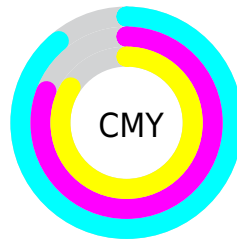
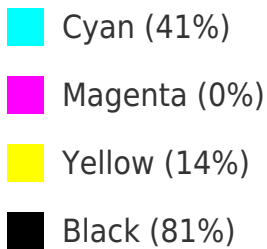
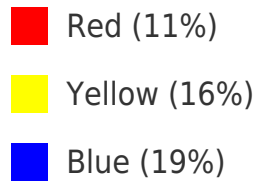
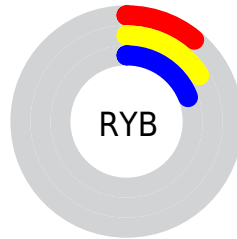
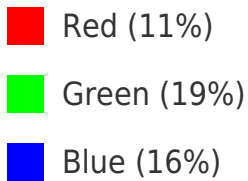
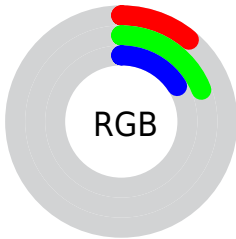
Format	Color
<a href="#">RYB</a>	<a href="#">29, 41, 49</a>
Decimal	<a href="#">1913130</a>
CIELab	<a href="#">18.48, -10.05, 1.92</a>
CIELCh	<a href="#">18, 10.229, 169.154</a>
Yxy	<a href="#">2.6255, 0.2795, 0.3627</a>
Android (android.graphics.Color)	<a href="#">4280103210</a> (0xFF1D312A)
YUV	<a href="#">42.2220, -0.1094, -11.5957</a>
Hunter-Lab	<a href="#">16.2032, -6.0724, 1.8656</a>

# Details

The YIQ color **42.2220, -9.6730, -6.4170** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **35.7780, 9.6730, 6.4170**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.8090, -9.9480, -6.9400**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **40.4990, -12.0110, -8.0990**, and if you desaturate by 10%, it is **43.9450, -7.3350, -4.7350**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.2220, -9.6730, -6.4170 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 42.2220, -9.6730, -6.4170 by changing the saturation by 10% instead.



■ 42.2220, -9.6730,  
-6.4170

■ 42.2220, -9.6730,  
-6.4170

255.0000, -0.0000,  
-0.0000

■ 21.0370, -10.5900,  
-6.3180

■ 87.8090, -9.9480,  
-6.9400

■ 0.0000, 0.0000,  
0.0000

■ 112.5100,  
-10.5440, -7.1520


■ 138.0970,  
-10.8190, -7.6750


■ 164.0970,  
-10.8190, -7.6750


■ 191.3850,  
-11.6900, -8.4100


■ 219.3850,


-11.6900, -8.4100


 246.9120,  
-11.7360, -7.5760


 42.2220, -9.6730,  
-6.4170


 42.2220, -9.6730,  
-6.4170


 40.4990, -12.0110,  
-8.0990


 43.9450, -7.3350,  
-4.7350


 38.8900, -14.6700,  
-9.4700


 45.5540, -4.6760,  
-3.3640


 37.1670, -17.0080,  
-11.1520

 47.2770, -2.3380,  
-1.6820

 35.4440, -19.3460,  
-12.8340

 49.0000, -0.0000,  
-0.0000

 33.7210, -21.6840,  
-14.5160

 50.4240, 1.7420,  
1.4700

■ 32.4110, -23.7470,  
-15.6750

■ 52.0330, 4.4010,  
2.8410

■ 53.7560, 6.7390,  
4.5230

■ 55.4790, 9.0770,  
6.2050

■ 57.0880, 11.7360,  
7.5760

# Harmonies

## Analogous

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



43.2290, -2.3830, -6.3750



42.2220, -9.6730, -6.4170



41.6390, -15.2210, -4.9890

# Triad

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



42.2220, -9.6730, -6.4170



45.4110, -5.4110, 4.4530



45.2850, 12.3790, 1.4270

# Complementary

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



42.2220, -9.6730, -6.4170



35.7780, 9.6730, 6.4170

# 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.



46.0940, 11.5990, 4.5510



42.2220, -9.6730, -6.4170



46.4720, 1.7870, 6.1630

# Square

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



42.2220, -9.6730, -6.4170



43.8830, -12.7920, 0.5520



46.2940, 8.1600, 6.3040



45.2090, 9.5370, -2.1350



# Rectangle

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



42.2220, -9.6730, -6.4170



41.7960, -17.1010, -3.9570



46.2940, 8.1600, 6.3040



45.8120, 12.3330, 2.2610

# Sweetspot

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



42.2220, -9.6730, -6.4170



61.2660, -3.8050, -2.6290



42.8330, -1.3280, -8.9760



31.6900, -2.0630, -1.1590



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000



# Same Dimension

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



42.2220, -9.6730, -6.4170



53.4770, -14.9450, -9.9930



41.2590, -11.0950, -2.6710



24.9890, -1.4670, -0.9470



58.8550, -43.0930, -28.5090



143.4530, -104.9360, -69.6400



# Inverse Universe

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



35.7780, 9.6730, 6.4170



43.4090, 15.2660, 9.6820



36.7410, 11.0950, 2.6710



24.0110, 1.4670, 0.9470



30.1450, 43.0930, 28.5090

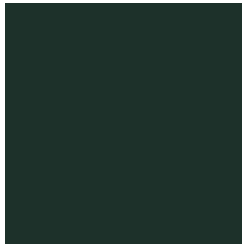


73.5470, 104.9360, 69.6400



# Previews

## White Background



This preview shows how the YIQ color 42.2220, -9.6730, -6.4170 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 42.2220, -9.6730, -6.4170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

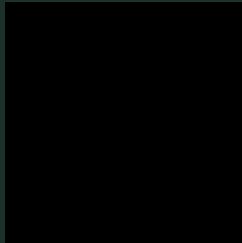
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 42.2220, -9.6730, -6.4170

## Background



This preview shows how black text looks on a background with the YIQ color 42.2220, -9.6730, -6.4170.



This preview shows how white text looks on a background with the YIQ color 42.2220, -9.6730,

-6.4170.

# 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

42.2220, -9.6730, -6.4170

### Protanopia

45.0280, 2.7970, -1.1310

### Deuteranopia

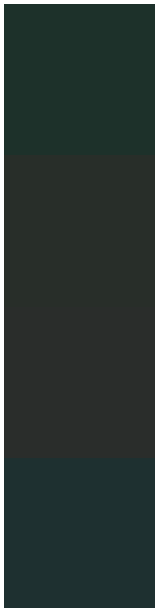
45.0930, 4.1720, 1.4840



## Tritanopia

43.2590, -11.0950, -2.6710

# Trichromacy



**Original Color**  
42.2220, -9.6730, -6.4170

**Protanomaly**  
43.6360, -1.9710, -2.8270

**Deuteranomaly**  
43.8750, -1.1460, -1.2580

**Tritanomaly**  
42.6180, -10.7280, -3.8160

# Monochromacy



**Original Color**  
42.2220, -9.6730, -6.4170

**Achromatopsia**  
42.0000, -0.0000, -0.0000

**Achromatomaly**  
42.2660, -3.8050, -2.6290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.2220, -9.6730, -6.4170 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(29, 49, 42) looks like.

```
.text, #text, p{  
    color:rgb(29, 49, 42)  
}
```

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(29, 49, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 49, 42) }
```

## Border

The CSS property to change the border of an element to YIQ 42.2220, -9.6730, -6.4170 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(29, 49, 42) }
```



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

```
.border{ border-color:rgb(29, 49, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 49, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 49, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 49, 42);  
box-shadow:4px 4px 4px 4px rgb(29, 49, 42)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 42.2220, -9.6730, -6.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 49, 42) }
```

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

```
.background{ background-color: rgb(29, 49,  
42) }
```

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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