

# Converting Colors

YIQ(90.2020, 27.4690, -29.7710)

Have a look what the booklet for  
YIQ(90.2020, 27.4690, -29.7710)  
contains.

<b>YIQ(90.2020, 27.4690, -29.7710)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(90.2020, 27.4690,  
-29.7710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	626609
RGB	98, 102, 9
RGB Percent	38%, 40%, 4%
CMY	0.6158, 0.6000, 0.9645
CMYK	0.04, 0.00, 0.91, 0.60
HSL	63°, 84%, 22%
HSV	63°, 91%, 40%
XYZ	9.8362, 12.1186, 2.0805
YIQ	90.2020, 27.4690, -29.7710

# Conversions

## Conversions Part 2

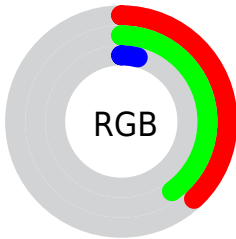
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 102, 13
Decimal	6448649
CIELab	41.40, -12.68, 45.50
CIELCh	41, 47.239, 105.575
Yxy	12.1186, 0.4092, 0.5042
Android (android.graphics.Color)	4284638729 (0xFF626609)
YUV	90.2020, -40.0326, 6.8388
Hunter-Lab	34.8117, -10.4845, 20.8248

# Details

The YIQ color **90.2020, 27.4690, -29.7710** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **20.7980, -27.4690, 29.7710**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.5550, 27.9730, -27.8910**, and **46.6370, 13.4830, -18.5890** is the 20% darker color. If you saturate the color by 10%, you get **89.1760, 30.3580, -32.5700**, and if you desaturate by 10%, it is **91.3420, 24.2590, -26.6610**.

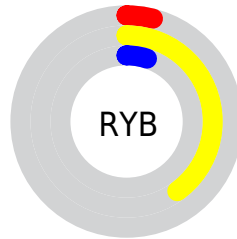
# Distribution



Red (38%)

Green (40%)

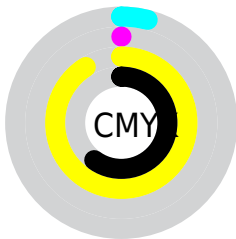
Blue (4%)



Red (4%)

Yellow (40%)

Blue (5%)

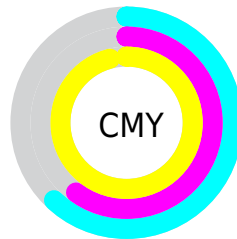


Cyan (4%)

Magenta (0%)

Yellow (91%)

Black (60%)



Cyan (62%)

Magenta (60%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.2020, 27.4690, -29.7710 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 90.2020, 27.4690, -29.7710 by changing the saturation by 10% instead.



■ 90.2020, 27.4690,  
-29.7710

■ 90.2020, 27.4690,  
-29.7710

■ 254.8860, 0.3210,  
-0.3110

■ 67.3140, 21.4620,  
-25.5300

■ 142.5550, 27.9730,  
-27.8910

■ 46.6370, 13.4830,  
-18.5890

■ 168.7400, 28.8900,  
-27.9900

■ 26.8350, 4.3580,  
-12.9060

■ 196.8110, 30.1280,  
-28.4000

■ 5.8700, -2.7500,  
-5.2300

■ 224.9960, 31.0450,  
-28.4990

■ 0.0000, 0.0000,  
0.0000

■ 245.1960, 27.6060,  
-26.7460

■ 248.2740, 18.9390,

-18.3490

■ 251.5800, 9.6300,  
-9.3300

■ 90.2020, 27.4690,  
-29.7710

■ 90.2020, 27.4690,  
-29.7710

■ 89.1760, 30.3580,  
-32.5700

■ 91.3420, 24.2590,  
-26.6610

■ 92.7810, 21.6450,  
-23.3390

■ 94.0350, 18.1140,  
-19.9180

■ 95.4740, 15.5000,  
-16.5960

■ 96.6140, 12.2900,  
-13.4860

■ 98.0530, 9.6760,  
-10.1640

■ 99.1930, 6.4660,  
-7.0540

■ 100.7460, 3.5310,  
-3.4210

■ 101.8860, 0.3210,  
-0.3110

# Harmonies

## Analogous

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



93.3070, 49.7030, -14.2090



90.2020, 27.4690, -29.7710



84.5640, -11.7770, -34.3770

# Triad

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



90.2020, 27.4690, -29.7710



84.2460, -80.1420, -12.3500



97.6750, 38.9650, 37.2450

# Complementary

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



90.2020, 27.4690, -29.7710



20.7980, -27.4690, 29.7710

# 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.



100.4890, 4.2580, 32.9780



90.2020, 27.4690, -29.7710



82.5310, -84.9580, -2.1580

# Square

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



90.2020, 27.4690, -29.7710



81.4300, -69.4570, -24.2810



92.8290, -47.0900, 16.4140



94.4580, 58.2690, 28.8050



# Rectangle

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



90.2020, 27.4690, -29.7710



74.2140, -51.8940, -39.7180



92.8290, -47.0900, 16.4140



98.9990, 29.2450, 37.1890

# Sweetspot

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



90.2020, 27.4690, -29.7710



128.2980, 10.3640, -11.6200



38.5680, 54.6030, 18.1470



63.3070, 6.1450, -6.7430



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



90.2020, 27.4690, -29.7710



116.0440, 39.1170, -42.6350



76.4480, 0.0530, -39.5230



50.4300, 1.6050, -1.5550



100.3950, 33.9350, -36.8250



211.4220, 71.7220, -77.3820



# Inverse Universe

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



20.7980, -27.4690, 29.7710



16.9560, -39.1170, 42.6350



34.5520, -0.0530, 39.5230



46.5700, -1.6050, 1.5550



14.6050, -33.9350, 36.8250

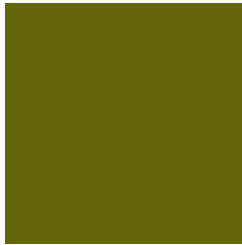


30.5780, -71.7220, 77.3820



# Previews

## White Background



This preview shows how the YIQ color 90.2020, 27.4690, -29.7710 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 90.2020, 27.4690, -29.7710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

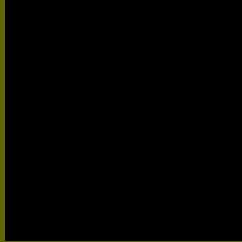
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 90.2020, 27.4690, -29.7710

## Background



This preview shows how black text looks on a background with the YIQ color 90.2020, 27.4690, -29.7710.



This preview shows how white text looks on a background with the YIQ color 90.2020, 27.4690, -29.7710.

-29.7710.

# 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

90.2020, 27.4690, -29.7710

### Protanopia

91.2140, 36.3630, -25.7570

### Deuteranopia

93.4200, 41.9550, -16.9650



## Tritanopia

98.7880, 3.7130, 4.2970

# Trichromacy



## Original Color

90.2020, 27.4690, -29.7710

## Protanomaly

90.7190, 33.3830, -26.8170

## Deuteranomaly

92.1480, 36.7290, -21.3750

## Tritanomaly

95.7760, 12.0140, -8.4820

# Monochromacy



## Original Color

90.2020, 27.4690, -29.7710

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

89.9390, 9.9970, -10.4750

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.2020, 27.4690, -29.7710 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(98, 102, 9)` looks like.

```
.text, #text, p{  
    color:rgb(98, 102, 9)  
}
```

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(98, 102, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 102, 9) }
```

## Border

The CSS property to change the border of an element to YIQ 90.2020, 27.4690, -29.7710 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(98, 102, 9) }
```



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

```
.border{ border-color:rgb(98, 102, 9) }
```

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

Here you see how a box with a 4 pixel rgb(98, 102, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 102, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 102, 9);  
box-shadow:4px 4px 4px 4px rgb(98, 102, 9)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 90.2020, 27.4690, -29.7710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 102, 9) }
```

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

```
.background{ background-color: rgb(98, 102,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**