

# Converting Colors

YIQ(53.2340, 7.2480, -21.2320)

Have a look what the booklet for  
YIQ(53.2340, 7.2480, -21.2320)  
contains.

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# Color

**YIQ(53.2340, 7.2480,  
-21.2320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F4109
RGB	47, 65, 9
RGB Percent	18%, 25%, 4%
CMY	0.8158, 0.7451, 0.9646
CMYK	0.28, 0.00, 0.86, 0.75
HSL	79°, 76%, 15%
HSV	79°, 86%, 25%
XYZ	3.1115, 4.4051, 0.9452
YIQ	53.2340, 7.2480, -21.2320

# Conversions

## Conversions Part 2

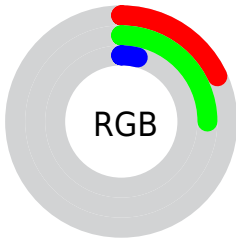
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	9, 65, 27
Decimal	3096841
CIE Lab	24.97, -16.64, 29.53
CIE LCh	25, 33.892, 119.398
Yxy	4.4051, 0.3677, 0.5206
Android (android.graphics.Color)	4281286921 (0xFF2F4109)
YUV	53.2340, -21.8074, -5.4672
Hunter-Lab	20.9883, -10.2669, 12.0216

# Details

The YIQ color **53.2340, 7.2480, -21.2320** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **20.7660, -7.2480, 21.2320**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.0060, 7.8900, -21.8540**, and **14.0880, -6.6000, -12.5520** is the 20% darker color. If you saturate the color by 10%, you get **51.9520, 7.9820, -23.5220**, and if you desaturate by 10%, it is **54.6300, 6.1930, -18.6310**.

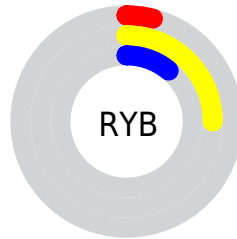
# Distribution



 Red (18%)

 Green (25%)

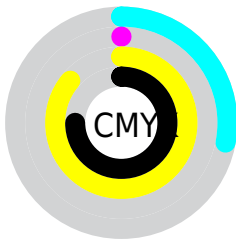
 Blue (4%)



 Red (4%)

 Yellow (25%)

 Blue (11%)

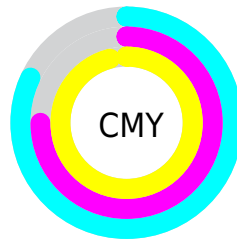


 Cyan (28%)

 Magenta (0%)

 Yellow (86%)

 Black (75%)



 Cyan (82%)

 Magenta (75%)

 Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.2340, 7.2480, -21.2320 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 53.2340, 7.2480, -21.2320 by changing the saturation by 10% instead.



■ 53.2340, 7.2480,  
-21.2320

■ 53.2340, 7.2480,  
-21.2320

■ 253.1760, 5.1360,  
-4.9760

■ 33.0150, 3.6710,  
-16.9770

■ 101.0060, 7.8900,  
-21.8540

■ 14.0880, -6.6000,  
-12.5520

■ 126.1910, 8.8070,  
-21.9530

■ 0.0000, 0.0000,  
0.0000


■ 152.6640, 8.8530,  
-22.7870

■ 179.4360, 9.4950,  
-23.4090

■ 207.3220, 9.8160,  
-23.7200


■ 235.2080, 10.1370,

-24.0310


 249.9840, 14.1240,  
-13.6840


 53.2340, 7.2480,  
-21.2320


 53.2340, 7.2480,  
-21.2320


 51.9520, 7.9820,  
-23.5220


 54.6300, 6.1930,  
-18.6310

 51.3110, 8.3490,  
-24.6670

 55.9120, 5.4590,  
-16.3410

 57.3080, 4.4040,  
-13.7400

 58.5900, 3.6700,  
-11.4500

 59.9860, 2.6150,  
-8.8490

■ 61.5670, 2.4770,  
-6.3470

■ 62.9630, 1.4220,  
-3.7460

■ 64.2450, 0.6880,  
-1.4560

■ 65.6410, -0.3670,  
1.1450

# Harmonies

## Analogous

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



55.5740, 26.9620, -15.0700



53.2340, 7.2480, -21.2320



45.0480, -27.4590, -25.4990

# Triad

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



53.2340, 7.2480, -21.2320



51.6580, -51.7630, -3.5310



58.0080, 33.0530, 23.2370

# Complementary

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



53.2340, 7.2480, -21.2320



20.7660, -7.2480, 21.2320

# 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.



60.4820, 14.1630, 24.1710



53.2340, 7.2480, -21.2320



49.0480, -52.6810, 2.0950

# Square

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



53.2340, 7.2480, -21.2320



51.2530, -46.4890, -11.0090



60.3090, -13.3910, 16.9210



57.5060, 39.9780, 13.3700



# Rectangle

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



53.2340, 7.2480, -21.2320



47.2630, -35.2540, -21.8940



60.3090, -13.3910, 16.9210



58.6100, 28.4220, 24.5660

# Sweetspot

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



53.2340, 7.2480, -21.2320



79.3990, 2.8900, -8.3260



36.3100, 28.4260, 2.4580



40.3220, 1.7890, -4.8910



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000



# Same Dimension

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



53.2340, 7.2480, -21.2320



66.3510, 10.8720, -31.8480



44.8620, -9.4400, -27.1680



32.3590, 0.3670, -1.1450



76.6730, 12.6610, -36.7390



176.9360, 28.9920, -84.9280



# Inverse Universe

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



20.7660, -7.2480, 21.2320



17.6490, -10.8720, 31.8480



29.1380, 9.4400, 27.1680



30.6410, -0.3670, 1.1450



20.3270, -12.6610, 36.7390

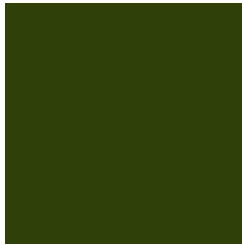


47.0640, -28.9920, 84.9280



# Previews

## White Background



This preview shows how the YIQ color 53.2340, 7.2480, -21.2320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

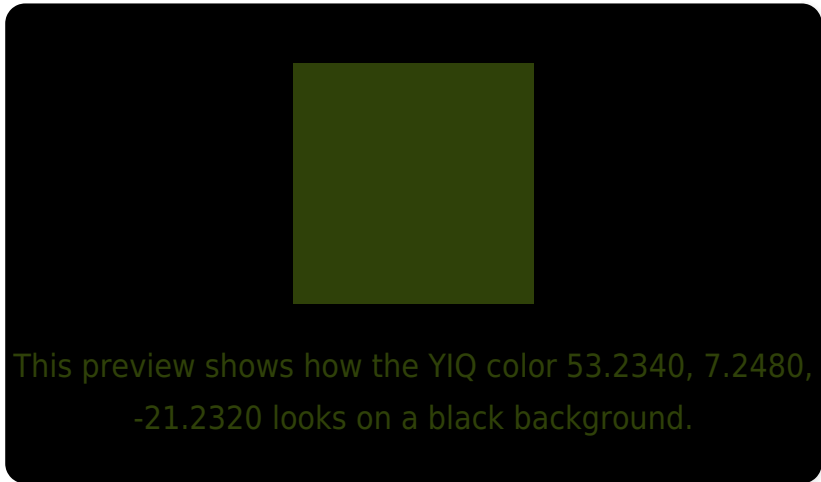
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

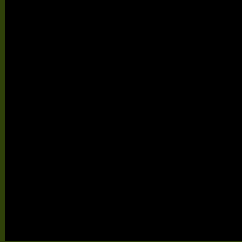
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 53.2340, 7.2480, -21.2320

## Background



This preview shows how black text looks on a background with the YIQ color 53.2340, 7.2480, -21.2320.



This preview shows how white text looks on a background with the YIQ color 53.2340, 7.2480,

-21.2320.

# 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

53.2340, 7.2480, -21.2320

### Protanopia

55.4640, 21.4600, -14.4760

### Deuteranopia

57.0070, 24.4850, -8.7230



## Tritanopia

58.4770, -5.7770, 0.0710

# Trichromacy



## Original Color

53.2340, 7.2480, -21.2320

## Protanomaly

54.6590, 16.4170, -16.6950

## Deuteranomaly

55.5500, 18.3420, -13.0340

## Tritanomaly

56.7730, -1.0990, -7.6190

# Monochromacy



## Original Color

53.2340, 7.2480, -21.2320

## Achromatopsia

53.0000, -0.0000, -0.0000

## Achromatomaly

52.9260, 2.8440, -7.4920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.2340, 7.2480, -21.2320 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(47, 65, 9)` looks like.

```
.text, #text, p{  
    color:rgb(47, 65, 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(47, 65, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 65, 9) }
```

## Border

The CSS property to change the border of an element to YIQ 53.2340, 7.2480, -21.2320 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(47, 65, 9) }
```



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

```
.border{ border-color:rgb(47, 65, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 65, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 65, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 65, 9); box-shadow:4px  
4px 4px 4px rgb(47, 65, 9) }
```

# Background

The CSS property to change the background color of an element to YIQ 53.2340, 7.2480, -21.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 65, 9) }
```

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

```
.background{ background-color: rgb(47, 65,  
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](#).

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