

# Converting Colors

YIQ(223.4020, 66.4470,  
-64.3770)

Have a look what the booklet for  
YIQ(223.4020, 66.4470, -64.3770)  
contains.

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# Color

**YIQ(223.4020, 66.4470,  
-64.3770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F728
RGB	247, 247, 40
RGB Percent	97%, 97%, 16%
CMY	0.0315, 0.0313, 0.8427
CMYK	0.00, 0.00, 0.84, 0.03
HSL	60°, 93%, 56%
HSV	60°, 84%, 97%
XYZ	71.9916, 86.4433, 14.9080
YIQ	223.4020, 66.4470, -64.3770

# Conversions

## Conversions Part 2

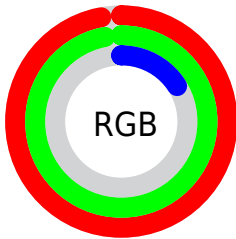
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 247, 40
Decimal	16250664
CIE <sub>Lab</sub>	94.50, -20.52, 87.44
CIE <sub>LCh</sub>	95, 89.814, 103.210
Yxy	86.4433, 0.4153, 0.4987
Android (android.graphics.Color)	4294440744 (0xFF7F728)
YUV	223.4020, -90.4172, 20.6954
Hunter-Lab	92.9749, -24.4913, 55.5756

# Details

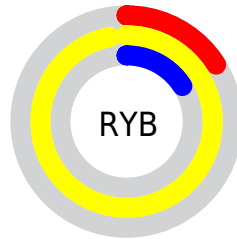
The YIQ color **223.4020, 66.4470, -64.3770** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **63.5980, -66.4470, 64.3770**, and the grayscale version is **224.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **238.2420, 47.1870, -45.7170**, and **167.7310, 58.3310, -60.4610** is the 20% darker color. If you saturate the color by 10%, you get **220.5520, 74.4720, -72.1520**, and if you desaturate by 10%, it is **226.2520, 58.4220, -56.6020**.

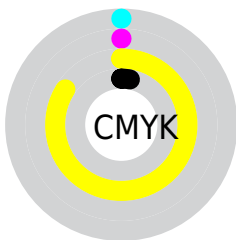
# Distribution



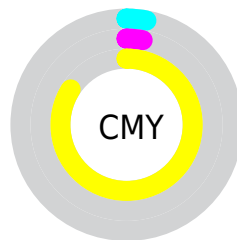
- Red (97%)
- Green (97%)
- Blue (16%)



- Red (16%)
- Yellow (97%)
- Blue (16%)



- Cyan (0%)
- Magenta (0%)
- Yellow (84%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 223.4020, 66.4470, -64.3770 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 223.4020, 66.4470, -64.3770 by changing the saturation by 10% instead.



223.4020, 66.4470,  
-64.3770

223.4020, 66.4470,  
-64.3770

255.0000, -0.0000,  
-0.0000

193.1370, 68.5110,  
-68.7450

238.3560, 46.8660,  
-45.4060

167.7310, 58.3310,  
-60.4610

241.6620, 37.5570,  
-36.3870

142.9120, 47.8760,  
-52.7000

245.0820, 27.9270,  
-27.0570

118.9790, 37.7420,  
-45.2500

248.5020, 18.2970,  
-17.7270

95.9320, 27.9290,  
-38.1110

251.9220, 8.6670,  
-8.3970

72.5860, 17.5200,  
-31.1840

51.0120, 7.7530,

-24.8790

■ 30.3240, -1.6930,  
-18.8850

■ 14.0880, -6.6000,  
-12.5520

■ 223.4020, 66.4470,  
-64.3770

■ 223.4020, 66.4470,  
-64.3770

■ 220.5520, 74.4720,  
-72.1520

■ 226.2520, 58.4220,  
-56.6020

■ 218.8420, 79.2870,  
-76.8170

■ 229.1020, 50.3970,  
-48.8270

■ 231.8380, 42.6930,  
-41.3630

■ 234.6880, 34.6680,  
-33.5880

■ 237.5380, 26.6430,  
-25.8130

■ 240.2740, 18.9390,  
-18.3490

■ 243.1240, 10.9140,  
-10.5740

■ 245.9740, 2.8890,  
-2.7990

■ 247.9120, -2.5680,  
2.4880

# Harmonies

## Analogous

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



210.2360, 73.6870, -41.3930



223.4020, 66.4470, -64.3770



205.6790, -14.9800, -69.9560

# Triad

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



223.4020, 66.4470, -64.3770



178.7550, -151.9800, -54.0600



201.5830, 25.0250, 47.5930

# Complementary

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



223.4020, 66.4470, -64.3770



63.5980, -66.4470, 64.3770

# 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.



222.1280, 15.4000, 29.2880



223.4020, 66.4470, -64.3770



178.7550, -151.9800, -54.0600

# Square

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



223.4020, 66.4470, -64.3770



178.7550, -151.9800, -54.0600



207.3690, -67.4870, -15.9270



190.4860, 43.8710, 36.4390



# Rectangle

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



223.4020, 66.4470, -64.3770



167.5830, -120.5220, -84.5380



207.3690, -67.4870, -15.9270



207.4530, 22.2750, 42.3630

# Sweetspot

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



223.4020, 66.4470, -64.3770



247.7040, 20.5440, -19.9040



101.8930, 123.3720, 43.8840



123.2550, 11.9230, -12.3410



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.



223.4020, 66.4470, -64.3770



225.9300, 81.8550, -79.3050



192.6050, 5.0590, -86.2130



120.6320, 3.8520, -3.7320



164.7960, 59.7060, -57.8460



52.2740, 18.9390, -18.3490



# Inverse Universe

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



63.5980, -66.4470, 64.3770



29.0700, -81.8550, 79.3050



94.6940, -4.4630, 86.4250



111.3680, -3.8520, 3.7320



21.2040, -59.7060, 57.8460

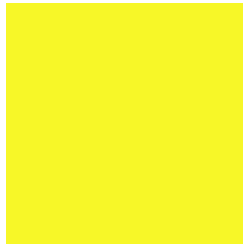


6.7260, -18.9390, 18.3490



# Previews

## White Background



This preview shows how the YIQ color 223.4020, 66.4470, -64.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

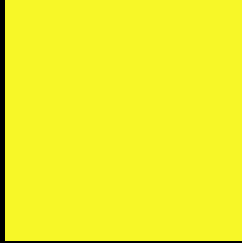
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 223.4020, 66.4470, -64.3770 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 223.4020, 66.4470, -64.3770**

## **Background**



This preview shows how black text looks on a background with the YIQ color 223.4020, 66.4470, -64.3770.



This preview shows how white text looks on a background with the YIQ color 223.4020, 66.4470,

-64.3770.

# 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

223.4020, 66.4470, -64.3770

### Protanopia

236.3740, 30.4010, -16.8230

### Deuteranopia

239.0590, 18.7070, -3.1250



## Tritanopia

240.9460, 9.2600, 8.3960

# Trichromacy



## Original Color

223.4020, 66.4470, -64.3770



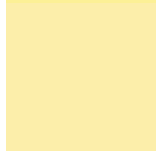
## Protanomaly

231.6520, 43.5170, -34.2670



## Deuteranomaly

233.3280, 36.0420, -25.4460



## Tritanomaly

234.4340, 30.1720, -18.1800

# Monochromacy



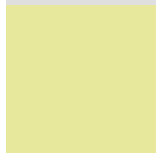
## Original Color

223.4020, 66.4470, -64.3770



## Achromatopsia

223.0000, -0.0000, -0.0000



## Achromatomaly

223.3360, 24.3960, -23.6360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 223.4020, 66.4470, -64.3770 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(247, 247, 40)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 40)  
}
```

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(247, 247, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 40) }
```

## Border

The CSS property to change the border of an element to YIQ 223.4020, 66.4470, -64.3770 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(247, 247, 40) }
```



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

```
.border{ border-color:rgb(247, 247, 40) }
```

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

Here you see how a box with a 4 pixel rgb(247, 247, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 40);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
40) }
```

# Background

The CSS property to change the background color of an element to YIQ 223.4020, 66.4470, -64.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 40) }
```

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

```
.background{ background-color: rgb(247,  
247, 40) }
```

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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