

# Converting Colors

YIQ(149.3640, 53.5560,  
-23.4680)

Have a look what the booklet for  
YIQ(149.3640, 53.5560, -23.4680)  
contains.

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# Color

**YIQ(149.3640, 53.5560,  
-23.4680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA9632
RGB	186, 150, 50
RGB Percent	73%, 59%, 20%
CMY	0.2706, 0.4118, 0.8036
CMYK	0.00, 0.19, 0.73, 0.27
HSL	44°, 58%, 46%
HSV	44°, 73%, 73%
XYZ	31.7324, 32.4786, 7.6225
YIQ	149.3640, 53.5560, -23.4680

# Conversions

## Conversions Part 2

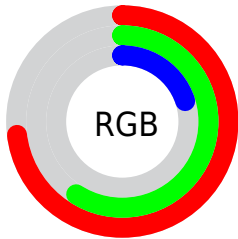
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 186, 50
Decimal	12228146
CIE Lab	63.74, 3.17, 55.05
CIE LCh	64, 55.140, 86.703
Yxy	32.4786, 0.4417, 0.4521
Android (android.graphics.Color)	4290418226 (0xFFBA9632)
YUV	149.3640, -48.9865, 32.1298
Hunter-Lab	56.9900, -0.3425, 31.9628

# Details

The YIQ color **149.3640, 53.5560, -23.4680** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **86.6360, -53.5560, 23.4680**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **204.7450, 56.8570, -22.7190**, and **97.2710, 49.3840, -24.9520** is the 20% darker color. If you saturate the color by 10%, you get **144.2630, 61.0300, -26.7620**, and if you desaturate by 10%, it is **154.4650, 46.0820, -20.1740**.

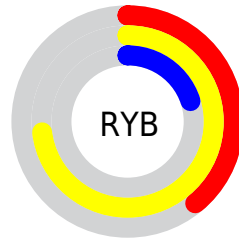
# Distribution



Red (73%)

Green (59%)

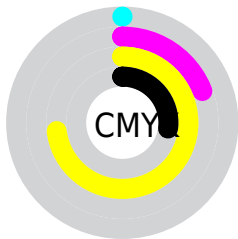
Blue (20%)



Red (39%)

Yellow (73%)

Blue (20%)

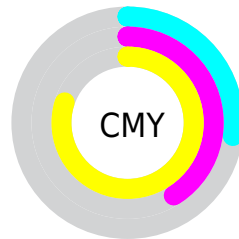


Cyan (0%)

Magenta (19%)

Yellow (73%)

Black (27%)



Cyan (27%)

Magenta (41%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.3640, 53.5560, -23.4680 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 149.3640, 53.5560, -23.4680 by changing the saturation by 10% instead.



■ 149.3640, 53.5560,  
-23.4680

■ 149.3640, 53.5560,  
-23.4680

■ 255.0000, -0.0000,  
-0.0000

■ 122.1250, 52.7310,  
-25.0370

■ 204.7450, 56.8570,  
-22.7190

■ 97.2710, 49.3840,  
-24.9520

■ 227.1350, 46.7710,  
-27.1570

■ 74.8110, 39.2960,  
-18.3360

■ 243.7140, 31.7790,  
-30.7890

■ 53.8240, 29.2540,  
-12.5540

■ 246.9060, 22.7910,  
-22.0810

■ 33.7230, 19.5330,  
-7.0830

■ 250.0980, 13.8030,  
-13.3730

■ 13.6330, 11.2790,  
-0.6650

■ 253.4040, 4.4940,

■ 0.0000, 0.0000,

-4.3540

0.0000

■ 149.3640, 53.5560,  
-23.4680

■ 149.3640, 53.5560,  
-23.4680

■ 144.2630, 61.0300,  
-26.7620

■ 154.4650, 46.0820,  
-20.1740

■ 139.2760, 68.1830,  
-29.7450

■ 159.4520, 38.9290,  
-17.1910

■ 136.0330, 73.1810,  
-32.2190

■ 164.5530, 31.4550,  
-13.8970

■ 169.5400, 24.3020,  
-10.9140

■ 174.6410, 16.8280,  
-7.6200

■ 179.7420, 9.3540,  
-4.3260

■ 184.1420, 2.4760,  
-0.8200

■ 189.2430, -4.9980,  
2.4740

■ 194.2300,  
-12.1510, 5.4570

# Harmonies

## Analogous

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



151.7820, 73.7710, 1.1550



149.3640, 53.5560, -23.4680



145.0710, 17.2920, -38.0680

# Triad

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



149.3640, 53.5560, -23.4680



126.9440, -112.1870, -31.8270



158.5180, 23.6500, 44.9780

# Complementary

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



149.3640, 53.5560, -23.4680



86.6360, -53.5560, 23.4680

# 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.



156.0690, -29.6700, 31.1140



149.3640, 53.5560, -23.4680



128.4550, -123.3310, -17.0830

# Square

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



149.3640, 53.5560, -23.4680



121.2440, -96.1370, -47.3770



123.2350, -125.1670, -5.8310



155.3850, 60.5130, 43.2090



# Rectangle

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



149.3640, 53.5560, -23.4680



139.2550, -15.5810, -42.5330



123.2350, -125.1670, -5.8310



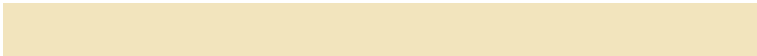
159.0260, 7.4200, 41.7560

# Sweetspot

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



149.3640, 53.5560, -23.4680



227.7400, 20.8630, -9.1610



94.7680, 69.5000, 40.0280



113.7700, 12.1510, -5.4570



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



149.3640, 53.5560, -23.4680



184.8460, 83.7730, -36.9550



160.9280, 24.5840, -49.0800



89.2130, 3.7140, -1.2300



113.5620, 61.6260, -26.5500



20.6990, 10.9130, -5.0470



# Inverse Universe

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



86.6360, -53.5560, 23.4680



86.7410, -84.0480, 36.4320



75.0720, -24.5840, 49.0800



85.2000, -3.4390, 1.7530



41.8510, -61.3510, 27.0730

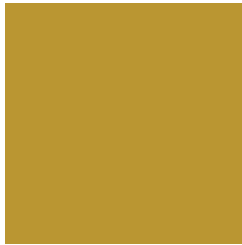


7.3010, -10.9130, 5.0470



# Previews

## White Background



This preview shows how the YIQ color 149.3640, 53.5560, -23.4680 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 149.3640, 53.5560, -23.4680 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 149.3640, 53.5560, -23.4680

## Background



This preview shows how black text looks on a background with the YIQ color 149.3640, 53.5560, -23.4680.



This preview shows how white text looks on a background with the YIQ color 149.3640, 53.5560,

-23.4680.

# 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

149.3640, 53.5560, -23.4680

### Protanopia

148.5260, 44.1120, -28.5280

### Deuteranopia

149.8100, 58.2320, -20.1040



## Tritanopia

157.1010, 28.0570, 14.6570

# Trichromacy



## Original Color

149.3640, 53.5560, -23.4680

## Protanomaly

148.8470, 47.6420, -26.4220

## Deuteranomaly

149.5000, 56.1690, -21.2630

## Tritanomaly

154.3340, 37.0460, 0.4220

# Monochromacy



## Original Color

149.3640, 53.5560, -23.4680

## Achromatopsia

149.0000, 0.0000, -0.0000

## Achromatomaly

148.7830, 19.3040, -8.4400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.3640, 53.5560, -23.4680 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(186, 150, 50)` looks like.

```
.text, #text, p{  
    color:rgb(186, 150, 50)  
}
```

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(186, 150, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 150, 50) }
```

## Border

The CSS property to change the border of an element to YIQ 149.3640, 53.5560, -23.4680 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(186, 150, 50) }
```



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

```
.border{ border-color:rgb(186, 150, 50) }
```

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

Here you see how a box with a 4 pixel rgb(186, 150, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 150, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 150, 50);  
box-shadow:4px 4px 4px 4px rgb(186, 150,  
50) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.3640, 53.5560, -23.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 150, 50) }
```

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

```
.background{ background-color: rgb(186,  
150, 50) }
```

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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