

# Converting Colors

YIQ(62.8090, 97.7860, 56.0420)

Have a look what the booklet for  
YIQ(62.8090, 97.7860, 56.0420)  
contains.

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# Color

**YIQ(62.8090, 97.7860,  
56.0420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF0032
RGB	191, 0, 50
RGB Percent	75%, 0%, 20%
CMY	0.2505, 0.9999, 0.8036
CMYK	0.00, 1.00, 0.74, 0.25
HSL	344°, 100%, 37%
HSV	344°, 100%, 75%
XYZ	22.0947, 11.3235, 4.0488
YIQ	62.8090, 97.7860, 56.0420

# Conversions

## Conversions Part 2

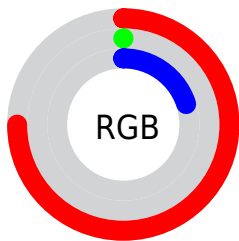
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 0, 50
Decimal	12517426
CIE Lab	40.12, 65.54, 30.00
CIE LCh	40, 72.079, 24.598
Yxy	11.3235, 0.5897, 0.3022
Android (android.graphics.Color)	4290707506 (0xFFBF0032)
YUV	62.8090, -6.3148, 112.4235
Hunter-Lab	33.6504, 58.3139, 16.4215

# Details

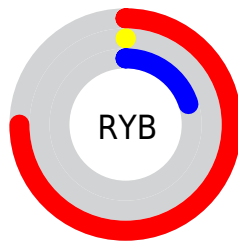
The YIQ color **62.8090, 97.7860, 56.0420** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **128.1910, -97.7860, -56.0420**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.9100, 98.3390, 40.5070**, and **39.2550, 74.9580, 29.2140** is the 20% darker color. If you saturate the color by 10%, you get **62.8090, 97.7860, 56.0420**, and if you desaturate by 10%, it is **75.5580, 88.0670, 50.4590**.

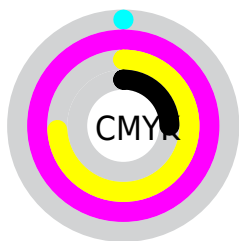
# Distribution



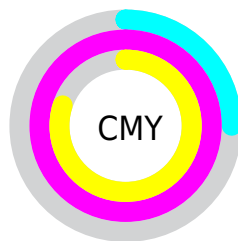
- Red (75%)
- Green (0%)
- Blue (20%)



- Red (75%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 62.8090, 97.7860, 56.0420 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 62.8090, 97.7860, 56.0420 by changing the saturation by 10% instead.



■ 62.8090, 97.7860,  
56.0420

■ 62.8090, 97.7860,  
56.0420

255.0000, -0.0000,  
-0.0000

■ 51.1460, 86.0510,  
42.9390

■ 135.9100, 98.3390,  
40.5070

■ 39.2550, 74.9580,  
29.2140

■ 155.7830, 82.3390,  
33.1150

■ 29.3020, 58.4080,  
20.7760

■ 175.7700, 66.0180,  
26.0340

■ 21.2720, 40.7570,  
15.7730

■ 195.7570, 49.6970,  
18.9530

■ 11.1770, 21.7310,  
8.1550

■ 215.9720, 32.7340,  
12.4940

■ 0.0000, 0.0000,  
0.0000

■ 236.7740, 15.4960,

5.5120

■ 62.8090, 97.7860,  
56.0420

■ 75.5580, 88.0670,  
50.4590

■ 88.3070, 78.3480,  
44.8760

■ 101.0560, 68.6290,  
39.2930

■ 113.9190, 58.5890,  
34.0210

■ 127.2550, 48.5950,  
27.9150

■ 140.0040, 38.8760,  
22.3320

■ 152.7530, 29.1570,  
16.7490

■ 165.5020, 19.4380,  
11.1660

■ 178.2510, 9.7190,  
5.5830

# Harmonies

## Analogous

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



68.8230, 77.9760, 73.6560



62.8090, 97.7860, 56.0420



85.1530, 83.0320, 4.0240

# Triad

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



62.8090, 97.7860, 56.0420



68.1720, -34.8810, -56.2010



86.6180, -97.8440, 11.1160

# Complementary

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



62.8090, 97.7860, 56.0420



128.1910, -97.7860, -56.0420

# 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.



89.8660, -93.2110, -1.2670



62.8090, 97.7860, 56.0420



78.6140, -58.7720, -36.2120

# Square

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



62.8090, 97.7860, 56.0420



82.2660, 12.2490, -40.2870



86.0410, -78.3070, -18.0750



87.1010, -59.0590, 29.5890



# Rectangle

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



62.8090, 97.7860, 56.0420



89.4070, 61.1650, -12.6830



86.0410, -78.3070, -18.0750



88.5100, -97.6600, 7.7800

# Sweetspot

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



62.8090, 97.7860, 56.0420



197.4060, 37.6840, 21.9080



63.6340, 22.1290, 89.0810



94.8230, 22.9680, 13.2720



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



62.8090, 97.7860, 56.0420



81.2630, 126.3470, 72.5790



83.5240, 101.4610, 16.9570



87.9190, 4.7220, 2.5300



51.9160, 81.0070, 46.2470



10.1810, 15.9080, 9.0600



# Inverse Universe

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



62.8090, 97.7860, 56.0420



81.2630, 126.3470, 72.5790



108.0630, -101.7360, -17.4800



87.9190, 4.7220, 2.5300



51.9160, 81.0070, 46.2470



10.1810, 15.9080, 9.0600



# Previews

## White Background



This preview shows how the YIQ color 62.8090, 97.7860, 56.0420 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 62.8090, 97.7860, 56.0420 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 62.8090, 97.7860, 56.0420

## Background



This preview shows how black text looks on a background with the YIQ color 62.8090, 97.7860, 56.0420.



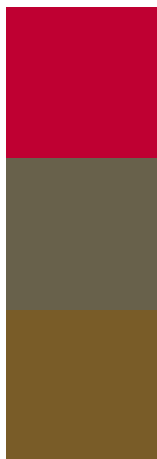
This preview shows how white text looks on a background with the YIQ color 62.8090, 97.7860,



# 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

62.8090, 97.7860, 56.0420

### Protanopia

96.5850, 11.2340, -5.3580

### Deuteranopia

94.7430, 33.9760, -10.0240



## Tritanopia

70.7330, 102.9710, 33.6510

# Trichromacy



## Original Color

62.8090, 97.7860, 56.0420

## Protanomaly

84.5820, 42.8200, 16.9320

## Deuteranomaly

83.3030, 56.6670, 13.7790

## Tritanomaly

67.5190, 100.9980, 41.8780

# Monochromacy



## Original Color

62.8090, 97.7860, 56.0420

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

62.9820, 35.9420, 20.4380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 62.8090, 97.7860, 56.0420 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(191, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 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(191, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 50) }
```

## Border

The CSS property to change the border of an element to YIQ 62.8090, 97.7860, 56.0420 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(191, 0, 50) }
```



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

```
.border{ border-color:rgb(191, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 50)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 62.8090, 97.7860, 56.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 50) }
```

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

```
.background{ background-color: rgb(191, 0,  
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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