

Converting Colors

YIQ(63.7110, 90.8690, 21.6930)

Have a look what the booklet for
YIQ(63.7110, 90.8690, 21.6930)
contains.

YIQ(63.7110, 90.8690, 21.6930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(63.7110, 90.8690,
21.6930)**

Conversions

Conversions Part 1

Format	Color
Hex	A41900
RGB	164, 25, 0
RGB Percent	64%, 10%, 0%
CMY	0.3565, 0.9021, 0.9996
CMYK	0.00, 0.85, 1.00, 0.36
HSL	9°, 100%, 32%
HSV	9°, 100%, 64%
XYZ	15.6733, 8.5940, 0.8355
YIQ	63.7110, 90.8690, 21.6930

Conversions

Conversions Part 2

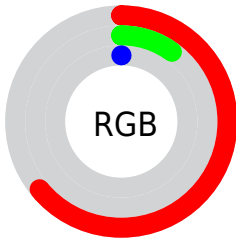
Format	Color
R_{YB}	164, 29, 0
Decimal	10754304
CIE Lab	35.19, 53.54, 48.72
CIE LCh	35, 72.388, 42.305
Yxy	8.5940, 0.6244, 0.3424
Android (android.graphics.Color)	4288944384 (0xFFA41900)
YUV	63.7110, -31.4095, 87.9535
Hunter-Lab	29.3156, 44.1313, 18.8311

Details

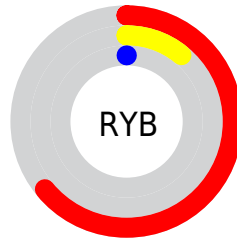
The YIQ color **63.7110, 90.8690, 21.6930** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **100.2890, -90.8690, -21.6930**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **123.3540, 96.1880, 18.9080**, and **30.4980, 60.7920, 21.6240** is the 20% darker color. If you saturate the color by 10%, you get **63.7110, 90.8690, 21.6930**, and if you desaturate by 10%, it is **73.8670, 81.5620, 19.6580**.

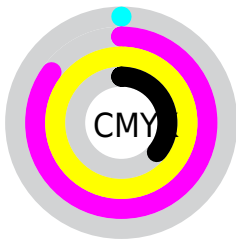
Distribution



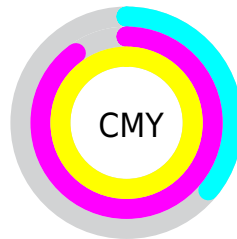
- Red (64%)
- Green (10%)
- Blue (0%)



- Red (64%)
- Yellow (11%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (36%)





- Cyan (36%)
- Magenta (90%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the YIQ color 63.7110, 90.8690, 21.6930 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 63.7110, 90.8690, 21.6930 by changing the saturation by 10% instead.


 63.7110, 90.8690,
21.6930


 63.7110, 90.8690,
21.6930


 252.4920, 7.0620,
-6.8420


 39.7670, 79.2680,
28.1960


 123.3540, 96.1880,
18.9080


 30.4980, 60.7920,
21.6240

 150.3110, 97.7470,
18.1870


 21.8270, 43.5080,
15.4760

 169.5970, 82.0220,
11.3180

 13.5690, 26.4990,
9.8510

 188.9970, 65.9760,
4.7600

 0.0000, 0.0000,
0.0000

 208.3970, 49.9300,
-1.7980

 228.4980, 33.2880,

-8.5680

■ 249.3000, 16.0500,
-15.5500

■ 63.7110, 90.8690,
21.6930

■ 73.8670, 81.5620,
19.6580

■ 83.9090, 72.5760,
17.3120

■ 93.9510, 63.5900,
14.9660

■ 104.1070, 54.2830,
12.9310

■ 114.1490, 45.2970,
10.5850

■ 123.7180, 36.2650,
9.0730

■ 133.7600, 27.2790,
6.7270

■ 143.8020, 18.2930,
4.3810

■ 153.9580, 8.9860,
2.3460

Harmonies

Analogous

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



60.5890, 86.7820, 57.2300



63.7110, 90.8690, 21.6930



77.9000, 58.4590, -7.6930

Triad

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



63.7110, 90.8690, 21.6930



66.1780, -43.0450, -40.3970



71.2930, -86.3830, 18.1690

Complementary

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



63.7110, 90.8690, 21.6930



100.2890, -90.8690, -21.6930

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.



80.3430, -89.8200, 8.8680



63.7110, 90.8690, 21.6930



73.7190, -62.9010, -21.9490

Square

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



63.7110, 90.8690, 21.6930



58.1130, -27.2250, -51.7770



79.9890, -80.5560, -4.8440



82.2070, -3.0350, 49.5170

Rectangle

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



63.7110, 90.8690, 21.6930



77.4360, 35.8580, -22.1100



79.9890, -80.5560, -4.8440



75.7440, -89.2710, 15.4410

Sweetspot

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



63.7110, 90.8690, 21.6930



175.0060, 35.3940, 8.3380



64.8820, 53.1250, 77.9970



83.2970, 21.2730, 5.4410



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



63.7110, 90.8690, 21.6930



82.7700, 118.7440, 28.6320



111.8450, 68.3190, -21.1930



76.8650, 4.8140, 0.8620



56.2690, 80.3700, 19.2340



7.1430, 9.9030, 2.2470

Inverse Universe

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



100.2890, -90.8690, -21.6930



131.2300, -118.7440, -28.6320



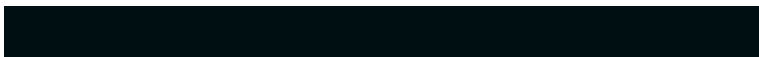
52.1550, -68.3190, 21.1930



78.1350, -4.8140, -0.8620



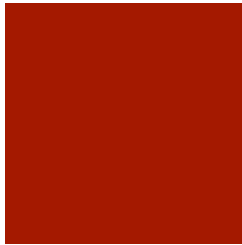
88.7310, -80.3700, -19.2340



10.8570, -9.9030, -2.2470

Previews

White Background



This preview shows how the YIQ color 63.7110, 90.8690, 21.6930 looks on a white background.

Color Contrast Check

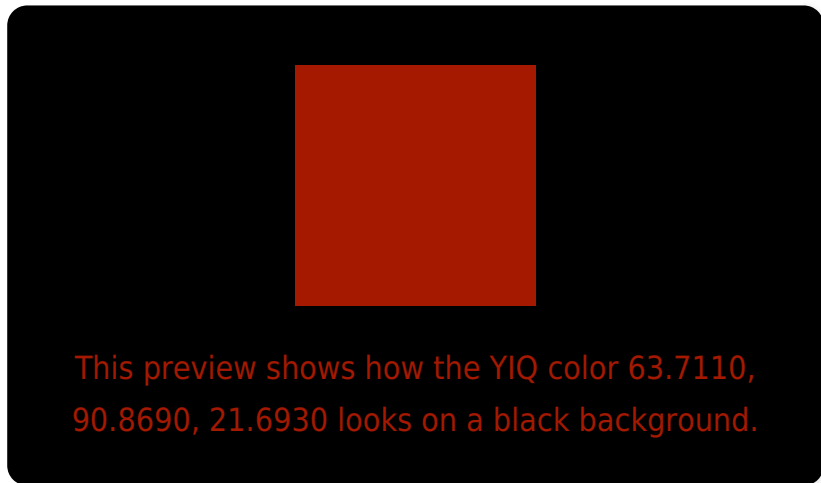
Large Text (above 18pt) WCAG AA ✓ Pass

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

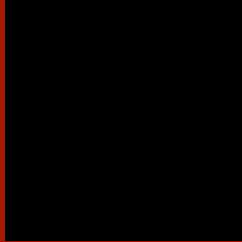
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.7110, 90.8690, 21.6930

Background



This preview shows how black text looks on a background with the YIQ color 63.7110, 90.8690, 21.6930.



This preview shows how white text looks on a background with the YIQ color 63.7110, 90.8690,

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

63.7110, 90.8690, 21.6930

Protanopia

80.5800, 26.8250, -18.0950

Deuteranopia

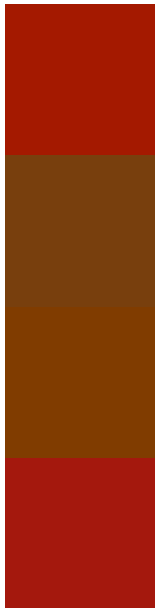
78.9530, 41.7720, -19.1560



Tritanopia

65.5180, 84.4030, 28.7470

Trichromacy



Original Color

63.7110, 90.8690, 21.6930

Protanomaly

74.3430, 50.0220, -3.4660

Deuteranomaly

73.4920, 59.7880, -4.2440

Tritanomaly

64.6060, 86.9710, 26.2590

Monochromacy



Original Color

63.7110, 90.8690, 21.6930

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

63.9240, 32.6890, 7.8010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.7110, 90.8690, 21.6930 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(164, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 25, 0)  
}
```

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(164, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 25, 0) }
```

Border

The CSS property to change the border of an element to YIQ 63.7110, 90.8690, 21.6930 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(164, 25, 0) }
```


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

```
.border{ border-color:rgb(164, 25, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 25, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 63.7110, 90.8690, 21.6930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 25, 0) }
```

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

```
.background{ background-color: rgb(164, 25,  
0) }
```

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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