

Converting Colors

YIQ(70.7220, 83.1680, 12.5760)

Have a look what the booklet for
YIQ(70.7220, 83.1680, 12.5760)
contains.

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Color

**YIQ(70.7220, 83.1680,
12.5760)**

Conversions

Conversions Part 1

Format	Color
Hex	9E2800
RGB	158, 40, 0
RGB Percent	62%, 16%, 0%
CMY	0.3801, 0.8433, 0.9996
CMYK	0.00, 0.75, 1.00, 0.38
HSL	15°, 100%, 31%
HSV	15°, 100%, 62%
XYZ	14.8710, 8.7902, 0.9155
YIQ	70.7220, 83.1680, 12.5760

Conversions

Conversions Part 2

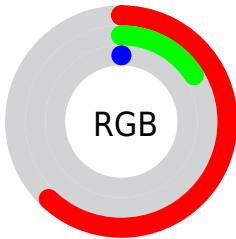
Format	Color
R_{YB}	158, 54, 0
Decimal	10364928
CIE _{Lab}	35.58, 47.11, 48.24
CIE _{LCh}	36, 67.430, 45.682
Yxy	8.7902, 0.6051, 0.3577
Android (android.graphics.Color)	4288555008 (0xFF9E2800)
YUV	70.7220, -34.8659, 76.5428
Hunter-Lab	29.6482, 37.6481, 18.9229

Details

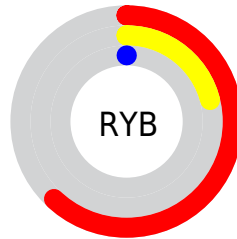
The YIQ color **70.7220, 83.1680, 12.5760** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **87.2780, -83.1680, -12.5760**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.6580, 89.2200, 13.0280**, and **29.0030, 57.8120, 20.5640** is the 20% darker color. If you saturate the color by 10%, you get **70.7220, 83.1680, 12.5760**, and if you desaturate by 10%, it is **79.5900, 74.7320, 11.2760**.

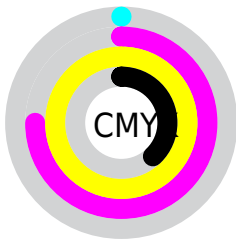
Distribution



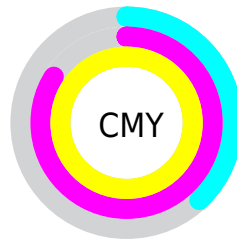
- Red (62%)
- Green (16%)
- Blue (0%)



- Red (62%)
- Yellow (21%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (38%)





- Cyan (38%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 70.7220, 83.1680, 12.5760 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 70.7220, 83.1680, 12.5760 by changing the saturation by 10% instead.


 70.7220, 83.1680,
12.5760


 70.7220, 83.1680,
12.5760


 252.7200, 6.4200,
-6.2200


 40.0330, 75.4630,
25.5670


 126.6580, 89.2200,
13.0280


 29.0030, 57.8120,
20.5640

 154.8110, 93.1630,
13.1550


 20.3320, 40.5280,
14.4160

 174.4070, 79.5010,
7.4450

 12.3730, 24.1150,
9.0030

 193.2200, 63.7300,
1.4100

 0.0000, 0.0000,
0.0000

 213.2070, 47.4090,
-5.6710

 232.8350, 30.7210,

-11.6070

■ 249.4140, 15.7290,
-15.2390

■ 70.7220, 83.1680,
12.5760

■ 79.5900, 74.7320,
11.2760

■ 88.4580, 66.2960,
9.9760

■ 96.7390, 58.1350,
9.1990

■ 105.4930, 50.0200,
7.5880

■ 114.3610, 41.5840,
6.2880

■ 123.2290, 33.1480,
4.9880

■ 132.0970, 24.7120,
3.6880

■ 140.3780, 16.5510,
2.9110

■ 149.1320, 8.4360,
1.3000

Harmonies

Analogous

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



58.6380, 85.0860, 54.9260



70.7220, 83.1680, 12.5760



79.3400, 54.1040, -11.3680

Triad

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



70.7220, 83.1680, 12.5760



67.3180, -46.2550, -37.2870



69.0930, -82.9440, 16.4160

Complementary

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



70.7220, 83.1680, 12.5760



87.2780, -83.1680, -12.5760

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.



79.1860, -87.9400, 7.8360



70.7220, 83.1680, 12.5760



74.9900, -65.1020, -20.6060

Square

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



70.7220, 83.1680, 12.5760



58.7000, -27.5000, -52.3000



79.4020, -80.2810, -4.3210



83.4590, 4.9430, 48.1030

Rectangle

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



70.7220, 83.1680, 12.5760



78.0010, 32.6490, -24.5270



79.4020, -80.2810, -4.3210



73.6580, -86.1530, 13.9990

Sweetspot

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



70.7220, 83.1680, 12.5760



172.3430, 32.8270, 5.2990



60.8080, 55.9690, 70.5050



83.6450, 20.1730, 3.3490



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



70.7220, 83.1680, 12.5760



92.4170, 109.0720, 16.6880



117.0950, 61.4430, -28.7410



74.5660, 4.2180, 0.6500



63.8890, 75.3280, 11.4880



6.8330, 7.8400, 1.0880

Inverse Universe

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



87.2780, -83.1680, -12.5760



113.9960, -108.7970, -16.1650



41.4920, -61.7180, 28.2180



75.4340, -4.2180, -0.6500



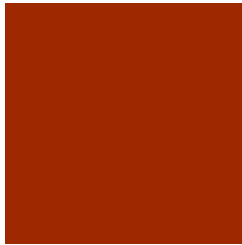
79.1110, -75.3280, -11.4880



8.1670, -7.8400, -1.0880

Previews

White Background



This preview shows how the YIQ color 70.7220, 83.1680, 12.5760 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

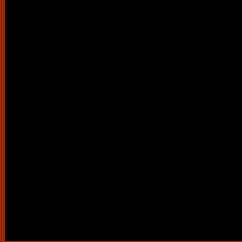
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.7220, 83.1680, 12.5760

Background



This preview shows how black text looks on a background with the YIQ color 70.7220, 83.1680, 12.5760.



This preview shows how white text looks on a background with the YIQ color 70.7220, 83.1680,

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

70.7220, 83.1680, 12.5760

Protanopia

80.6510, 28.0630, -18.5050

Deuteranopia

79.5400, 41.4970, -19.6790



Tritanopia

73.5920, 72.3910, 26.1750

Trichromacy



Original Color

70.7220, 83.1680, 12.5760

Protanomaly

77.3380, 48.4180, -7.4380

Deuteranomaly

76.4160, 56.9460, -7.8060

Tritanomaly

72.5830, 76.6100, 21.2980

Monochromacy



Original Color

70.7220, 83.1680, 12.5760

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

71.1470, 30.4430, 4.4510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.7220, 83.1680, 12.5760 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(158, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 40, 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(158, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 40, 0) }
```

Border

The CSS property to change the border of an element to YIQ 70.7220, 83.1680, 12.5760 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(158, 40, 0) }
```


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

```
.border{ border-color:rgb(158, 40, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 70.7220, 83.1680, 12.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 40, 0) }
```

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

```
.background{ background-color: rgb(158, 40,  
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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