

Converting Colors

YIQ(77.7250, 18.3330, 36.7090)

Have a look what the booklet for
YIQ(77.7250, 18.3330, 36.7090)
contains.

YIQ(77.7250, 18.3330, 36.7090)	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(77.7250, 18.3330,
36.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	763178
RGB	118, 49, 120
RGB Percent	46%, 19%, 47%
CMY	0.5370, 0.8079, 0.5294
CMYK	0.02, 0.59, 0.00, 0.53
HSL	298°, 42%, 33%
HSV	298°, 59%, 47%
XYZ	11.9660, 7.4057, 18.5695
YIQ	77.7250, 18.3330, 36.7090

Conversions

Conversions Part 2

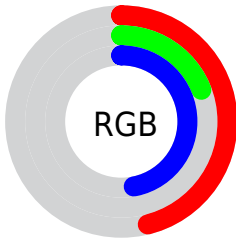
Format	Color
R_{YB}	118, 49, 120
Decimal	7745912
CIE _{Lab}	32.71, 40.63, -26.92
CIE _{LCh}	33, 48.737, 326.466
Yxy	7.4057, 0.3154, 0.1952
Android (android.graphics.Color)	4285935992 (0xFF763178)
YUV	77.7250, 20.8416, 35.3212
Hunter-Lab	27.2134, 30.8649, -21.4082

Details

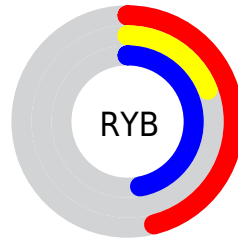
The YIQ color **77.7250, 18.3330, 36.7090** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **91.2750, -18.3330, -36.7090**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **129.2630, 19.7540, 38.4900**, and **28.1270, 17.1410, 36.2850** is the 20% darker color. If you saturate the color by 10%, you get **70.6810, 21.6330, 42.9850**, and if you desaturate by 10%, it is **84.7690, 15.0330, 30.4330**.

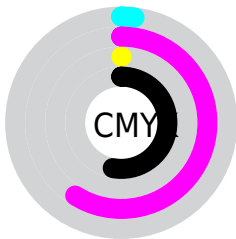
Distribution



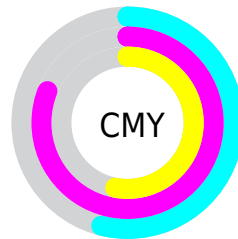
- Red (46%)
- Green (19%)
- Blue (47%)



- Red (46%)
- Yellow (19%)
- Blue (47%)



- Cyan (2%)
- Magenta (59%)
- Yellow (0%)
- Black (53%)



- Cyan (54%)
- Magenta (81%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.7250, 18.3330, 36.7090 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 77.7250, 18.3330, 36.7090 by changing the saturation by 10% instead.

■ 77.7250, 18.3330,
36.7090

■ 77.7250, 18.3330,
36.7090

■ 255.0000, -0.0000,
-0.0000

■ 51.8390, 18.0120,
37.0200

■ 129.2630, 19.7540,
38.4900

■ 28.1270, 17.1410,
36.2850

■ 155.9750, 20.6250,
39.2250

■ 18.6280, 10.8160,
24.2560

■ 183.6870, 21.4960,
39.9600

■ 5.4700, -3.8990,
10.0930

■ 210.3880, 20.9000,
39.7480

■ 0.0000, 0.0000,
0.0000

■ 226.8240, 13.2000,
25.1040

■ 243.8470, 5.2250,

9.9370

■ 77.7250, 18.3330,
36.7090

■ 77.7250, 18.3330,
36.7090

■ 70.6810, 21.6330,
42.9850

■ 84.7690, 15.0330,
30.4330

■ 63.3380, 24.3370,
49.0490

■ 92.1120, 12.3290,
24.3690

■ 56.2940, 27.6370,
55.3250

■ 99.1560, 9.0290,
18.0930

■ 49.2500, 30.9370,
61.6010

■ 106.2000, 5.7290,
11.8170

■ 48.6630, 31.2120,
62.1240

■ 113.5430, 3.0250,
5.7530

■ 120.5870, -0.2750,
-0.5230

■ 127.6310, -3.5750,
-6.7990

■ 134.9740, -6.2790,
-12.8630

■ 142.0180, -9.5790,
-19.1390

Harmonies

Analogous

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



76.2830, -27.6970, 22.8870



77.7250, 18.3330, 36.7090



70.9920, 48.3180, 38.4460

Triad

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



77.7250, 18.3330, 36.7090



72.7400, 38.0580, -17.9260



67.7180, -61.1600, -14.9520

Complementary

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



77.7250, 18.3330, 36.7090



91.2750, -18.3330, -36.7090

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.



63.2720, -48.6410, -27.0810



77.7250, 18.3330, 36.7090



68.1340, 12.9810, -31.5230

Square

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



77.7250, 18.3330, 36.7090



71.9310, 57.1740, -0.9220



56.9510, -34.9760, -37.9520



69.4910, -70.2860, -3.7420

Rectangle

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



77.7250, 18.3330, 36.7090



69.6260, 57.8560, 30.7840



56.9510, -34.9760, -37.9520



66.3500, -57.3080, -18.6840

Sweetspot

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



77.7250, 18.3330, 36.7090



139.2650, 7.1040, 14.4320



58.2680, -23.3410, 21.0350



69.0210, 4.6750, 8.8910



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



77.7250, 18.3330, 36.7090



89.9460, 28.7370, 57.4170



74.5610, 30.1180, 26.8700



57.4780, 1.6500, 3.1380



50.7280, 32.5870, 64.7390



102.2820, 65.7240, 130.5240

Inverse Universe

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



70.4570, 41.6740, 15.6740



78.5310, 65.1930, 24.4650



94.4390, -30.1180, -26.8700



56.7940, 3.5760, 1.2720



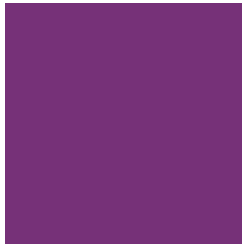
37.7170, 73.5370, 27.4330



76.1460, 147.9450, 55.6010

Previews

White Background



This preview shows how the YIQ color 77.7250, 18.3330, 36.7090 looks on a white background.

Color Contrast Check

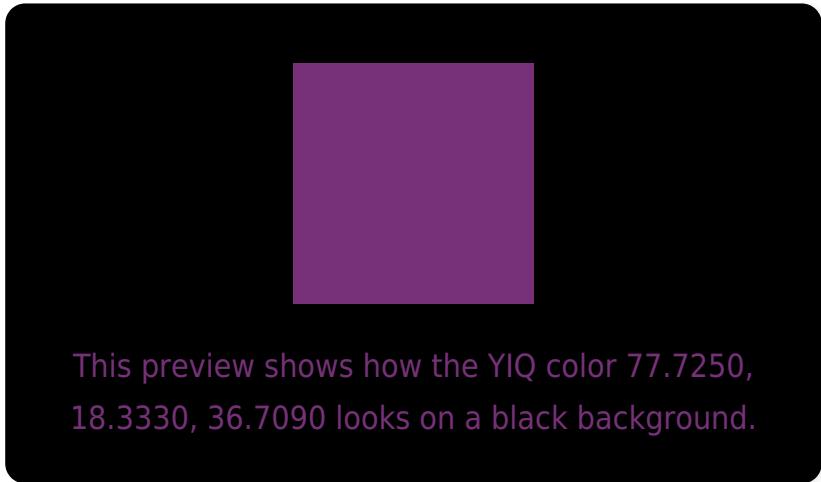
Large Text (above 18pt) WCAG AA ✓ Pass

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

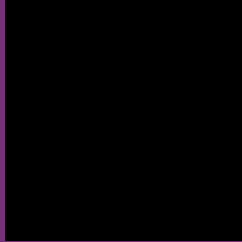
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.7250, 18.3330, 36.7090

Background



This preview shows how black text looks on a background with the YIQ color 77.7250, 18.3330, 36.7090.



This preview shows how white text looks on a background with the YIQ color 77.7250, 18.3330,

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

77.7250, 18.3330, 36.7090

Protanopia

72.9990, -41.8170, 14.4630

Deuteranopia

76.5480, -21.7340, 8.4260



Tritanopia

78.2210, 27.5990, 11.9430

Trichromacy



Original Color

77.7250, 18.3330, 36.7090

Protanomaly

75.0620, -19.7650, 22.3070

Deuteranomaly

77.1850, -7.1100, 18.7300

Tritanomaly

78.0500, 24.0670, 20.8910

Monochromacy



Original Color

77.7250, 18.3330, 36.7090

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.7380, 7.1500, 13.5980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.7250, 18.3330, 36.7090 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(118, 49, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 49, 120)  
}
```

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(118, 49, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 49, 120) }
```

Border

The CSS property to change the border of an element to YIQ 77.7250, 18.3330, 36.7090 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(118, 49, 120) }
```


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

```
.border{ border-color:rgb(118, 49, 120) }
```

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

Here you see how a box with a 4 pixel rgb(118, 49, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 49, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 49, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 49,  
120) }
```

Background

The CSS property to change the background color of an element to YIQ 77.7250, 18.3330, 36.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 49, 120) }
```

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

```
.background{ background-color: rgb(118, 49,  
120) }
```

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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