

Converting Colors

YIQ(77.8460, 139.9220, 52.3220)

Have a look what the booklet for
YIQ(77.8460, 139.9220, 52.3220)
contains.

YIQ(77.8460, 139.9220, 52.3220)	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(77.8460, 139.9220,
52.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	F4060C
RGB	244, 6, 12
RGB Percent	96%, 2%, 5%
CMY	0.0426, 0.9766, 0.9524
CMYK	0.00, 0.98, 0.95, 0.04
HSL	358°, 95%, 49%
HSV	358°, 98%, 96%
XYZ	37.4900, 19.4141, 2.1237
YIQ	77.8460, 139.9220, 52.3220

Conversions

Conversions Part 2

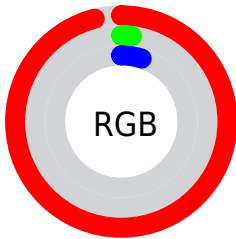
Format	Color
RYB	244, 6, 12
Decimal	15992332
CIELab	51.17, 77.17, 61.97
CIELCh	51, 98.972, 38.766
Yxy	19.4141, 0.6351, 0.3289
Android (android.graphics.Color)	4294182412 (0xFFFF4060C)
YUV	77.8460, -32.4621, 145.7171
Hunter-Lab	44.0614, 74.7705, 27.9853

Details

The YIQ color **77.8460, 139.9220, 52.3220** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **172.1540, -139.9220, -52.3220**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.3060, 105.3110, 24.2790**, and **52.9230, 105.4920, 37.5240** is the 20% darker color. If you saturate the color by 10%, you get **73.6400, 143.4980, 53.5940**, and if you desaturate by 10%, it is **94.6700, 125.6180, 47.2340**.

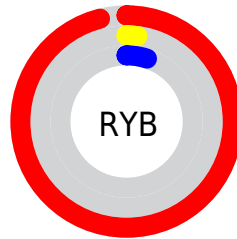
Distribution



Red (96%)

Green (2%)

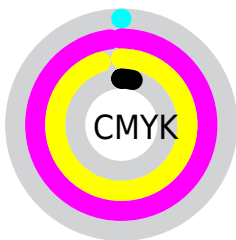
Blue (5%)



Red (96%)

Yellow (2%)

Blue (5%)

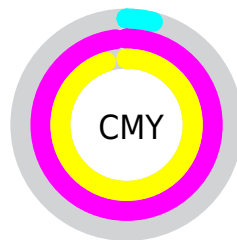


Cyan (0%)

Magenta (98%)

Yellow (95%)

Black (4%)



Cyan (4%)


Magenta (98%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 77.8460, 139.9220, 52.3220 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 77.8460, 139.9220, 52.3220 by changing the saturation by 10% instead.


 77.8460, 139.9220,
52.3220


 77.8460, 139.9220,
52.3220


254.8860, 0.3210,
-0.3110


 62.7900, 125.1600,
44.5200


 139.3060,
105.3110, 24.2790


 52.9230, 105.4920,
37.5240


 160.3530, 88.7610,
15.8410


 43.0560, 85.8240,
30.5280


 181.5140, 71.8900,
7.7140

 33.7160, 66.1100,
24.3660

 202.2020, 54.9730,
0.4210

 24.6750, 46.9920,
18.4160

 222.8900, 38.0560,
-6.8720


 14.8790, 28.5620,
11.0100


 243.5780, 21.1390,


 0.0000, 0.0000,


-14.1650


0.0000


 251.5800, 9.6300,
-9.3300


 77.8460, 139.9220,
52.3220


 77.8460, 139.9220,
52.3220


 73.6400, 143.4980,
53.5940

 94.6700, 125.6180,
47.2340

 112.0810,
111.0390, 41.6230

 128.7910, 97.0560,
36.2240

 146.2020, 82.4770,
30.6130

 163.0260, 68.1730,
25.5250

■ 179.8500, 53.8690,
20.4370

■ 197.2610, 39.2900,
14.8260

■ 213.9710, 25.3070,
9.4270

■ 231.3820, 10.7280,
3.8160

Harmonies

Analogous

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



87.8730, 119.2380, 85.7820



77.8460, 139.9220, 52.3220



113.1950, 91.2410, -7.0870

Triad

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



77.8460, 139.9220, 52.3220



94.7930, -58.8590, -62.1790



103.6190, -116.7800, 12.8840

Complementary

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



77.8460, 139.9220, 52.3220



172.1540, -139.9220, -52.3220

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.



115.9460, -122.5550, 1.9010



77.8460, 139.9220, 52.3220



107.0420, -89.2160, -35.1360

Square

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



77.8460, 139.9220, 52.3220



84.5280, -39.6000, -75.3120



116.3900, -115.5380, -9.6340



120.5590, -17.9850, 67.1590

Rectangle

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



77.8460, 139.9220, 52.3220



114.7140, 58.1420, -29.4900



116.3900, -115.5380, -9.6340



108.9020, -119.2550, 8.1770

Sweetspot

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



77.8460, 139.9220, 52.3220



203.3540, 43.4620, 16.3100



101.9020, 60.6820, 122.7780



96.5690, 26.4990, 9.8510



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



77.8460, 139.9220, 52.3220



77.0430, 149.7330, 56.2370



142.3190, 111.3230, -7.5970



113.5880, 7.1520, 2.5440



56.1840, 109.2510, 40.9870



17.8690, 34.5220, 13.1300

Inverse Universe

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



77.8460, 139.9220, 52.3220



77.0430, 149.7330, 56.2370



107.6810, -111.3230, 7.5970



113.5880, 7.1520, 2.5440



56.1840, 109.2510, 40.9870



17.8690, 34.5220, 13.1300

Previews

White Background



This preview shows how the YIQ color 77.8460, 139.9220, 52.3220 looks on a white background.

Color Contrast Check

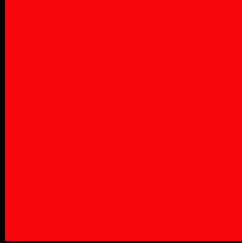
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 77.8460, 139.9220, 52.3220 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 × Fail

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

YIQ 77.8460, 139.9220, 52.3220

Background



This preview shows how black text looks on a background with the YIQ color 77.8460, 139.9220, 52.3220.



This preview shows how white text looks on a background with the YIQ color 77.8460, 139.9220,

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

77.8460, 139.9220, 52.3220

Protanopia

117.4530, 37.1880, -24.1880

Deuteranopia

115.0240, 60.2050, -28.3310



Tritanopia

85.8590, 137.9070, 39.2750

Trichromacy



Original Color

77.8460, 139.9220, 52.3220

Protanomaly

102.9610, 74.8250, 4.0810

Deuteranomaly

101.5680, 88.9930, 0.6170

Tritanomaly

83.0920, 138.8690, 43.8690

Monochromacy



Original Color

77.8460, 139.9220, 52.3220

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.9420, 50.6140, 18.8540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.8460, 139.9220, 52.3220 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(244, 6, 12)` looks like.

```
.text, #text, p{  
    color:rgb(244, 6, 12)  
}
```

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(244, 6, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 6, 12) }
```

Border

The CSS property to change the border of an element to YIQ 77.8460, 139.9220, 52.3220 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(244, 6, 12) }
```


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

```
.border{ border-color:rgb(244, 6, 12) }
```

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

Here you see how a box with a 4 pixel rgb(244, 6, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 6, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 6, 12);  
box-shadow:4px 4px 4px 4px rgb(244, 6, 12)  
}
```

Background

The CSS property to change the background color of an element to YIQ 77.8460, 139.9220, 52.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 6, 12) }
```

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

```
.background{ background-color: rgb(244, 6,  
12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor