

Converting Colors

YIQ(90.7530, 126.5820, 40.7740)

Have a look what the booklet for
YIQ(90.7530, 126.5820, 40.7740)
contains.

YIQ(90.7530, 126.5820, 40.7740)	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(90.7530, 126.5820,
40.7740)**

Conversions

Conversions Part 1

Format	Color
Hex	ED1E14
RGB	237, 30, 20
RGB Percent	93%, 12%, 8%
CMY	0.0701, 0.8826, 0.9211
CMYK	0.00, 0.87, 0.92, 0.07
HSL	3°, 86%, 50%
HSV	3°, 92%, 93%
XYZ	35.5560, 19.0010, 2.4615
YIQ	90.7530, 126.5820, 40.7740

Conversions

Conversions Part 2

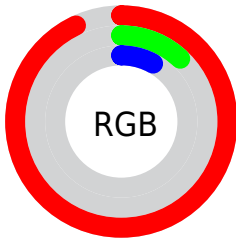
Format	Color
R_{YB}	237, 30, 20
Decimal	15539732
CIE Lab	50.69, 72.82, 58.43
CIE LCh	51, 93.363, 38.743
Yxy	19.0010, 0.6236, 0.3332
Android (android.graphics.Color)	4293729812 (0xFFED1E14)
YUV	90.7530, -34.8812, 128.2586
Hunter-Lab	43.5901, 69.3177, 27.1651

Details

The YIQ color **90.7530, 126.5820, 40.7740** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **166.2470, -126.5820, -40.7740**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.5120, 101.7350, 23.0070**, and **51.1290, 101.9160, 36.2520** is the 20% darker color. If you saturate the color by 10%, you get **77.3200, 138.2270, 44.4910**, and if you desaturate by 10%, it is **106.9900, 112.5530, 36.2090**.

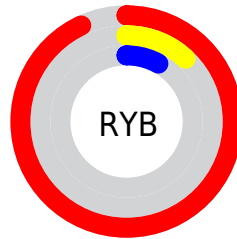
Distribution



Red (93%)

Green (12%)

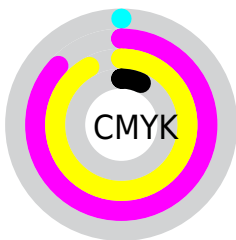
Blue (8%)



Red (93%)

Yellow (12%)

Blue (8%)

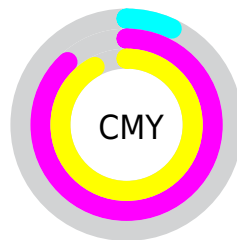


Cyan (0%)

Magenta (87%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (88%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 90.7530, 126.5820, 40.7740 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 90.7530, 126.5820, 40.7740 by changing the saturation by 10% instead.


 90.7530, 126.5820,
40.7740


 90.7530, 126.5820,
40.7740


255.0000, -0.0000,
-0.0000


 60.9960, 121.5840,
43.2480


 143.5120,
101.7350, 23.0070


 51.1290, 101.9160,
36.2520


 164.5590, 85.1850,
14.5690


 41.2620, 82.2480,
29.2560


 184.5460, 68.8640,
7.4880

 31.8080, 62.8550,
22.7830

 205.1200, 52.2680,
-0.1160

 23.4790, 44.6080,
17.5680

 225.8080, 35.3510,
-7.4090


 13.5690, 26.4990,
9.8510


 246.6100, 18.1130,


 0.0000, 0.0000,


-14.3910


0.0000

 252.1500, 8.0250,
-7.7750


 90.7530, 126.5820,
40.7740


 90.7530, 126.5820,
40.7740

 77.3200, 138.2270,
44.4910

 106.9900,
112.5530, 36.2090

 122.6400, 98.7990,
32.1670

 138.7630, 85.0910,
27.2910

 155.0000, 71.0620,
22.7260

 170.6500, 57.3080,
18.6840

■ 186.7730, 43.6000,
13.8080

■ 202.4230, 29.8460,
9.7660

■ 218.6600, 15.8170,
5.2010

■ 234.8970, 1.7880,
0.6360

Harmonies

Analogous

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



87.5740, 118.6420, 85.5700



90.7530, 126.5820, 40.7740



112.5860, 88.5820, -8.4580

Triad

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



90.7530, 126.5820, 40.7740



93.9610, -59.2720, -60.2000



102.4450, -116.2300, 13.9300

Complementary

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



90.7530, 126.5820, 40.7740



166.2470, -126.5820, -40.7740

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.



114.1850, -121.7300, 3.4700



90.7530, 126.5820, 40.7740



105.5260, -87.7030, -35.0230

Square

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



90.7530, 126.5820, 40.7740



82.7670, -38.7750, -73.7430



114.3040, -112.4200, -11.0760



120.5220, -16.5630, 63.4130

Rectangle

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



90.7530, 126.5820, 40.7740



113.5290, 57.2250, -29.3910



114.3040, -112.4200, -11.0760



107.1410, -118.4300, 9.7460

Sweetspot

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



90.7530, 126.5820, 40.7740



208.3920, 40.2990, 13.0590



108.8230, 61.9220, 111.3140



100.4330, 23.8860, 7.6460



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.



90.7530, 126.5820, 40.7740



83.2890, 148.6800, 47.7840



152.9750, 97.4320, -14.6640



109.2890, 6.5560, 2.3320



58.8150, 105.6760, 34.1880



17.3200, 31.6340, 10.4020

Inverse Universe

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



166.2470, -126.5820, -40.7740



171.7110, -148.6800, -47.7840



104.0250, -97.4320, 14.6640



113.7110, -6.5560, -2.3320



122.1850, -105.6760, -34.1880



36.0930, -31.3590, -9.8790

Previews

White Background



This preview shows how the YIQ color 90.7530, 126.5820, 40.7740 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 90.7530, 126.5820, 40.7740 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 90.7530, 126.5820, 40.7740

Background



This preview shows how black text looks on a background with the YIQ color 90.7530, 126.5820, 40.7740.



This preview shows how white text looks on a background with the YIQ color 90.7530, 126.5820,

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

90.7530, 126.5820, 40.7740

Protanopia

116.8380, 34.6660, -22.5340

Deuteranopia

113.2520, 59.5630, -27.7090



Tritanopia

90.6220, 125.5730, 42.5410

Trichromacy



Original Color

90.7530, 126.5820, 40.7740

Protanomaly

107.7320, 68.0400, 0.3920

Deuteranomaly

105.1220, 84.3170, -2.7470

Tritanomaly

90.5080, 125.8940, 42.2300

Monochromacy



Original Color

90.7530, 126.5820, 40.7740

Achromatopsia

91.0000, -0.0000, -0.0000

Achromatomaly

90.9690, 45.9840, 14.6560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.7530, 126.5820, 40.7740 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(237, 30, 20)` looks like.

```
.text, #text, p{  
    color:rgb(237, 30, 20)  
}
```

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(237, 30, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 30, 20) }
```

Border

The CSS property to change the border of an element to YIQ 90.7530, 126.5820, 40.7740 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(237, 30, 20) }
```


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

```
.border{ border-color:rgb(237, 30, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 30, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 30, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 30, 20);  
box-shadow:4px 4px 4px 4px rgb(237, 30,  
20) }
```

Background

The CSS property to change the background color of an element to YIQ 90.7530, 126.5820, 40.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 30, 20) }
```

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

```
.background{ background-color: rgb(237, 30,  
20) }
```

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