

Converting Colors

YIQ(77.1710, 128.4610, 45.2690)

Have a look what the booklet for
YIQ(77.1710, 128.4610, 45.2690)
contains.

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Color

**YIQ(77.1710, 128.4610,
45.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	E40D0C
RGB	228, 13, 12
RGB Percent	89%, 5%, 5%
CMY	0.1054, 0.9492, 0.9524
CMYK	0.00, 0.94, 0.95, 0.11
HSL	0°, 90%, 47%
HSV	0°, 95%, 89%
XYZ	32.2462, 16.8277, 1.9005
YIQ	77.1710, 128.4610, 45.2690

Conversions

Conversions Part 2

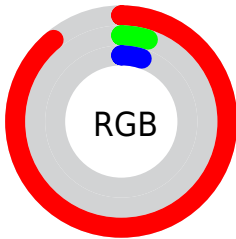
Format	Color
RYB	228, 13, 12
Decimal	14945548
CIELab	48.04, 72.68, 58.54
CIELCh	48, 93.323, 38.848
Yxy	16.8277, 0.6326, 0.3301
Android (android.graphics.Color)	4293135628 (0xFFE40D0C)
YUV	77.1710, -32.1293, 132.2770
Hunter-Lab	41.0216, 68.5273, 25.9682

Details

The YIQ color **77.1710, 128.4610, 45.2690** 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 **162.8290, -128.4610, -45.2690**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.6050, 105.9070, 24.4910**, and **48.4380, 96.5520, 34.3440** is the 20% darker color. If you saturate the color by 10%, you get **68.7590, 135.6130, 47.8130**, and if you desaturate by 10%, it is **93.2940, 114.7530, 40.3930**.

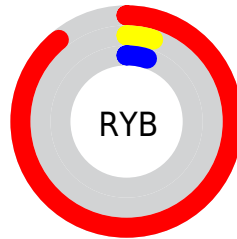
Distribution



Red (89%)

Green (5%)

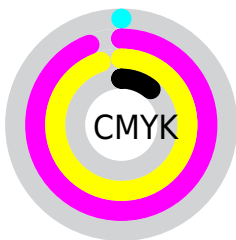
Blue (5%)



Red (89%)

Yellow (5%)

Blue (5%)

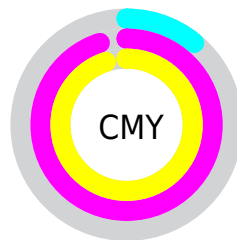


Cyan (0%)

Magenta (94%)

Yellow (95%)

Black (11%)



Cyan (11%)


Magenta (95%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 77.1710, 128.4610, 45.2690 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 77.1710, 128.4610, 45.2690 by changing the saturation by 10% instead.


 77.1710, 128.4610,
45.2690


 77.1710, 128.4610,
45.2690


 254.5440, 1.2840,
-1.2440


 58.3050, 116.2200,
41.3400


 138.6050,
105.9070, 24.4910


 48.4380, 96.5520,
34.3440


 159.0650, 89.6320,
16.5760


 38.8700, 77.4800,
27.5600


 178.9380, 73.6320,
9.1840

 29.5300, 57.7660,
21.3980

 199.6260, 56.7150,
1.8910

 20.6740, 39.5650,
15.3490

 220.3140, 39.7980,
-5.4020


 10.5790, 20.5390,
7.7310


 241.0020, 22.8810,


 0.0000, 0.0000,


-12.6950


0.0000


 251.3520, 10.2720,
-9.9520


 77.1710, 128.4610,
45.2690


 77.1710, 128.4610,
45.2690


 68.7590, 135.6130,
47.8130

 93.2940, 114.7530,
40.3930

 108.8300,
101.3200, 36.0400

 124.9530, 87.6120,
31.1640

 140.9620, 74.2250,
25.9770

 157.0850, 60.5170,
21.1010

■ 172.6210, 47.0840,
16.7480

■ 188.7440, 33.3760,
11.8720

■ 204.8670, 19.6680,
6.9960

■ 220.2890, 6.5560,
2.3320

Harmonies

Analogous

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



84.0850, 115.5250, 81.4850



77.1710, 128.4610, 45.2690



106.3730, 84.8680, -7.2280

Triad

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



77.1710, 128.4610, 45.2690



89.1680, -55.4210, -58.4050



98.3360, -114.3050, 17.5910

Complementary

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



77.1710, 128.4610, 45.2690



162.8290, -128.4610, -45.2690

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.



110.0760, -119.8050, 7.1310



77.1710, 128.4610, 45.2690



100.0320, -83.2560, -33.0160

Square

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



77.1710, 128.4610, 45.2690



78.6580, -36.8500, -70.0820



108.8100, -107.9730, -9.0690



113.1090, -16.8380, 62.8900

Rectangle

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



77.1710, 128.4610, 45.2690



107.6150, 54.1070, -27.9490



108.8100, -107.9730, -9.0690



103.6190, -116.7800, 12.8840

Sweetspot

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



77.1710, 128.4610, 45.2690



205.2290, 42.3160, 15.0520



101.2080, 59.4000, 112.9680



97.1560, 26.2240, 9.3280



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.



77.1710, 128.4610, 45.2690



76.8320, 151.7050, 53.5370



139.9800, 99.0360, -10.6920



106.5880, 7.1520, 2.5440



54.1080, 106.4090, 37.4250



15.2490, 30.3960, 10.8120

Inverse Universe

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



162.8290, -128.4610, -45.2690



178.1680, -151.7050, -53.5370



100.0200, -99.0360, 10.6920



111.4120, -7.1520, -2.5440



124.8920, -106.4090, -37.4250



35.7510, -30.3960, -10.8120

Previews

White Background



This preview shows how the YIQ color 77.1710, 128.4610, 45.2690 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 × Fail

Black Background



This preview shows how the YIQ color 77.1710, 128.4610, 45.2690 looks on a black 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

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

YIQ 77.1710, 128.4610, 45.2690

Background



This preview shows how black text looks on a background with the YIQ color 77.1710, 128.4610, 45.2690.



This preview shows how white text looks on a background with the YIQ color 77.1710, 128.4610,

45.2690.

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

77.1710, 128.4610, 45.2690

Protanopia

110.4250, 34.3910, -23.0570

Deuteranopia

107.9250, 56.1700, -26.7900



Tritanopia

80.2000, 129.5170, 37.1410

Trichromacy



Original Color

77.1710, 128.4610, 45.2690

Protanomaly

98.5580, 68.5900, 1.4380

Deuteranomaly

96.8060, 82.3910, -0.8810

Tritanomaly

78.8950, 129.0580, 39.9540

Monochromacy



Original Color

77.1710, 128.4610, 45.2690

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.2080, 46.8090, 16.2250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.1710, 128.4610, 45.2690 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(228, 13, 12)` looks like.

```
.text, #text, p{  
    color:rgb(228, 13, 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(228, 13, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 13, 12) }
```

Border

The CSS property to change the border of an element to YIQ 77.1710, 128.4610, 45.2690 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(228, 13, 12) }
```


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

```
.border{ border-color:rgb(228, 13, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 13, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 13, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 13, 12);  
box-shadow:4px 4px 4px 4px rgb(228, 13,  
12) }
```

Background

The CSS property to change the background color of an element to YIQ 77.1710, 128.4610, 45.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 13, 12) }
```

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

```
.background{ background-color: rgb(228, 13,  
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](#).

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