

Converting Colors

YIQ(77.6580, 107.5560, 33.1560)

Have a look what the booklet for
YIQ(77.6580, 107.5560, 33.1560)
contains.

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Color

**YIQ(77.6580, 107.5560,
33.1560)**

Conversions

Conversions Part 1

Format	Color
Hex	C91B0F
RGB	201, 27, 15
RGB Percent	79%, 11%, 6%
CMY	0.2114, 0.8943, 0.9407
CMYK	0.00, 0.87, 0.92, 0.21
HSL	4°, 86%, 42%
HSV	4°, 92%, 79%
XYZ	24.5926, 13.2472, 1.7169
YIQ	77.6580, 107.5560, 33.1560

Conversions

Conversions Part 2

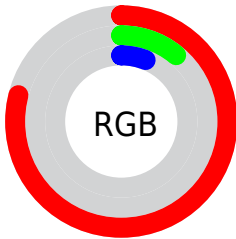
Format	Color
R_{YB}	201, 28, 15
Decimal	13179663
CIE _{Lab}	43.13, 63.72, 51.80
CIE _{LCh}	43, 82.123, 39.108
Yxy	13.2472, 0.6217, 0.3349
Android (android.graphics.Color)	4291369743 (0xFFC91B0F)
YUV	77.6580, -30.8904, 108.1709
Hunter-Lab	36.3967, 56.9148, 22.6809

Details

The YIQ color **77.6580, 107.5560, 33.1560** 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 **138.3420, -107.5560, -33.1560**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.0180, 106.1820, 25.0140**, and **40.9630, 81.6520, 29.0440** is the 20% darker color. If you saturate the color by 10%, you get **67.7300, 116.2210, 35.8130**, and if you desaturate by 10%, it is **91.0910, 95.9110, 29.4390**.

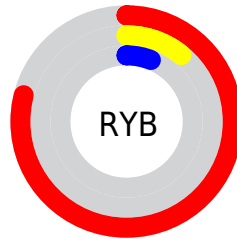
Distribution



Red (79%)

Green (11%)

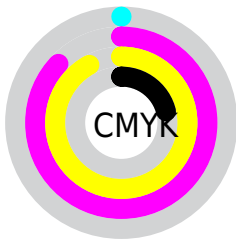
Blue (6%)



Red (79%)

Yellow (11%)

Blue (6%)

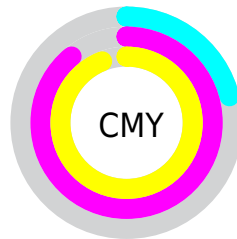


Cyan (0%)

Magenta (87%)

Yellow (92%)

Black (21%)



Cyan (21%)


Magenta (89%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 77.6580, 107.5560, 33.1560 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 77.6580, 107.5560, 33.1560 by changing the saturation by 10% instead.


 77.6580, 107.5560,
33.1560


 77.6580, 107.5560,
33.1560


254.5440, 1.2840,
-1.2440


 50.5310, 100.7240,
35.8280


 138.1320,
105.8610, 25.3250


 40.9630, 81.6520,
29.0440


 157.8910, 90.1820,
17.6220


 31.6940, 63.1760,
22.4720

 177.7640, 74.1820,
10.2300

 22.9520, 44.6540,
16.7340

 197.7510, 57.8610,
3.1490

 13.9820, 26.7740,
10.3740

 217.8520, 41.2190,
-3.6210

 0.0000, 0.0000,
0.0000

 238.0670, 24.2560,

-10.0800

■ 251.2380, 10.5930,
-10.2630

■ 77.6580, 107.5560,
33.1560

■ 77.6580, 107.5560,
33.1560

■ 67.7300, 116.2210,
35.8130

■ 91.0910, 95.9110,
29.4390

■ 104.5240, 84.2660,
25.7220

■ 117.3700, 72.8960,
22.5280

■ 130.9170, 60.9300,
19.1220

■ 144.3500, 49.2850,
15.4050

■ 157.7830, 37.6400,
11.6880

■ 171.2160, 25.9950,
7.9710

■ 184.6490, 14.3500,
4.2540

■ 197.4950, 2.9800,
1.0600

Harmonies

Analogous

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



73.9750, 100.8550, 72.0150



77.6580, 107.5560, 33.1560



95.3980, 74.5520, -7.4960

Triad

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



77.6580, 107.5560, 33.1560



79.5480, -50.3790, -50.6590



88.8810, -105.5940, 19.4140

Complementary

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



77.6580, 107.5560, 33.1560



138.3420, -107.5560, -33.1560

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.



97.9480, -107.7010, 8.0350



77.6580, 107.5560, 33.1560



89.6310, -74.6370, -29.5250

Square

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



77.6580, 107.5560, 33.1560



70.4400, -33.0000, -62.7600



96.4540, -95.2270, -8.7870



101.6930, -13.0310, 54.4650

Rectangle

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



77.6580, 107.5560, 33.1560



96.0860, 48.4670, -24.8530



96.4540, -95.2270, -8.7870



93.2180, -108.1610, 16.3750

Sweetspot

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



77.6580, 107.5560, 33.1560



207.5770, 41.2160, 12.9600



90.7920, 54.0390, 94.4790



98.9170, 25.3990, 7.7590



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.



77.6580, 107.5560, 33.1560



85.6370, 147.5800, 45.6920



130.4880, 82.8060, -13.9140



92.6910, 5.3640, 1.9080



54.6070, 94.3980, 29.3260



11.9380, 20.9060, 6.5860

Inverse Universe

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



138.3420, -107.5560, -33.1560



169.3630, -147.5800, -45.6920



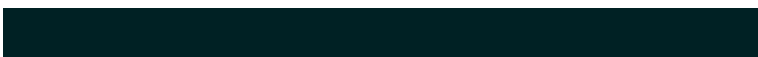
85.5120, -82.8060, 13.9140



96.3090, -5.3640, -1.9080



108.3930, -94.3980, -29.3260



23.4750, -20.6310, -6.0630

Previews

White Background



This preview shows how the YIQ color 77.6580, 107.5560, 33.1560 looks on a white background.

Color Contrast Check

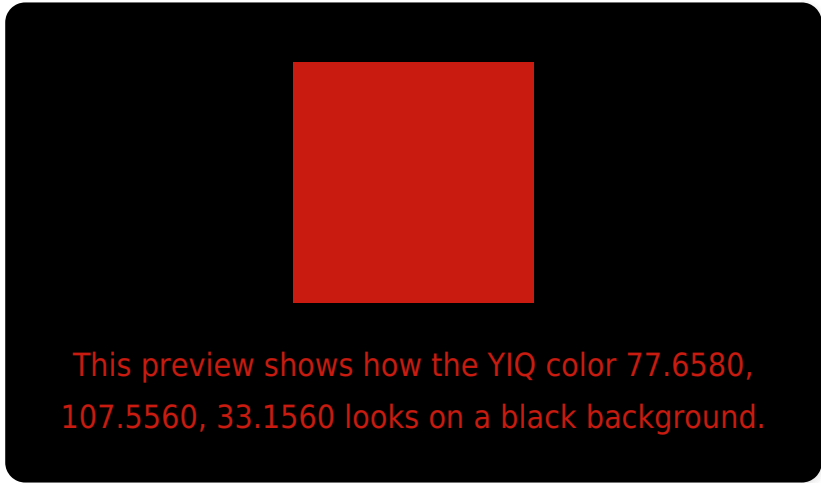
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 77.6580, 107.5560, 33.1560

Background



This preview shows how black text looks on a background with the YIQ color 77.6580, 107.5560, 33.1560.



This preview shows how white text looks on a background with the YIQ color 77.6580, 107.5560,

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

77.6580, 107.5560, 33.1560

Protanopia

98.7930, 30.5390, -19.3250

Deuteranopia

96.3960, 50.5300, -23.6940



Tritanopia

77.8690, 105.5840, 35.8560

Trichromacy



Original Color

77.6580, 107.5560, 33.1560

Protanomaly

90.9420, 58.6410, 0.0250

Deuteranomaly

89.4780, 71.5710, -3.0290

Tritanomaly

77.5270, 106.5470, 34.9230

Monochromacy



Original Color

77.6580, 107.5560, 33.1560

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.6800, 39.4280, 12.3240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.6580, 107.5560, 33.1560 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(201, 27, 15)` looks like.

```
.text, #text, p{  
    color:rgb(201, 27, 15)  
}
```

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(201, 27, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 27, 15) }
```

Border

The CSS property to change the border of an element to YIQ 77.6580, 107.5560, 33.1560 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(201, 27, 15) }
```


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

```
.border{ border-color:rgb(201, 27, 15) }
```

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

Here you see how a box with a 4 pixel rgb(201, 27, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 27, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 27, 15);  
box-shadow:4px 4px 4px 4px rgb(201, 27,  
15) }
```

Background

The CSS property to change the background color of an element to YIQ 77.6580, 107.5560, 33.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 27, 15) }
```

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

```
.background{ background-color: rgb(201, 27,  
15) }
```

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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