

Converting Colors

YIQ(128.2020, 89.3630,
-17.1090)

Have a look what the booklet for
YIQ(128.2020, 89.3630, -17.1090)
contains.

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Color

**YIQ(128.2020, 89.3630,
-17.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	CB7300
RGB	203, 115, 0
RGB Percent	80%, 45%, 0%
CMY	0.2038, 0.5491, 0.9995
CMYK	0.00, 0.43, 1.00, 0.20
HSL	34°, 100%, 40%
HSV	34°, 100%, 80%
XYZ	30.7653, 24.9547, 3.1985
YIQ	128.2020, 89.3630, -17.1090

Conversions

Conversions Part 2

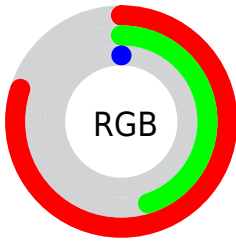
Format	Color
R_{YB}	155, 203, 0
Decimal	13333248
CIE Lab	57.03, 28.51, 64.21
CIE LCh	57, 70.252, 66.054
Yxy	24.9547, 0.5222, 0.4235
Android (android.graphics.Color)	4291523328 (0xFFCB7300)
YUV	128.2020, -63.2036, 65.5978
Hunter-Lab	49.9546, 22.5112, 31.1721

Details

The YIQ color **128.2020, 89.3630, -17.1090** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **74.7980, -89.3630, 17.1090**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **182.4990, 84.2730, -12.9670**, and **81.2000, 66.4820, -4.4140** is the 20% darker color. If you saturate the color by 10%, you get **128.2020, 89.3630, -17.1090**, and if you desaturate by 10%, it is **135.7650, 80.4680, -15.5960**.

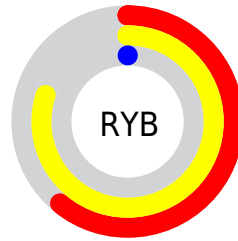
Distribution



Red (80%)

Green (45%)

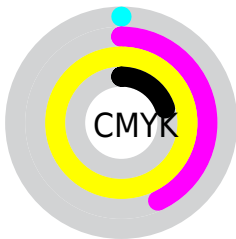
Blue (0%)



Red (61%)

Yellow (80%)

Blue (0%)

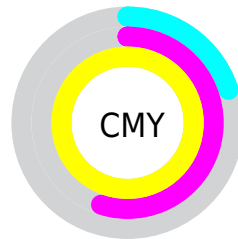


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 128.2020, 89.3630, -17.1090 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 128.2020, 89.3630, -17.1090 by changing the saturation by 10% instead.

■ 128.2020, 89.3630,
-17.1090

■ 128.2020, 89.3630,
-17.1090

■ 255.0000, -0.0000,
-0.0000

■ 104.2580, 77.7620,
-10.6060

■ 181.9120, 84.5480,
-12.4440

■ 81.2000, 66.4820,
-4.4140

■ 201.4260, 68.1810,
-18.6910

■ 58.1420, 55.2020,
1.7780

■ 220.9400, 51.8140,
-24.9380

■ 35.9700, 44.2430,
7.6590

■ 241.0410, 35.1720,
-31.7080

■ 16.7440, 33.3760,
11.8720

■ 245.9940, 25.3590,
-24.5690

■ 8.7850, 16.9630,
6.4590

■ 249.1860, 16.3710,

■ 0.0000, 0.0000,

-15.8610

0.0000

■ 252.4920, 7.0620,
-6.8420

■ 128.2020, 89.3630,
-17.1090

■ 135.7650, 80.4680,
-15.5960

■ 143.4420, 71.2520,
-13.7720

■ 150.4180, 62.6320,
-11.7360

■ 157.9810, 53.7370,
-10.2230

■ 165.6580, 44.5210,
-8.3990

■ 173.2210, 35.6260,
-6.8860

■ 180.7840, 26.7310,
-5.3730

■ 187.8740, 17.7900,
-3.0260

■ 195.4370, 8.8950,
-1.5130

Harmonies

Analogous

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



128.7980, 95.1780, 26.2020



128.2020, 89.3630, -17.1090



126.7530, 53.2380, -39.7380

Triad

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



128.2020, 89.3630, -17.1090



113.1400, -92.6080, -39.7440



139.3840, -16.8350, 46.3090

Complementary

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



128.2020, 89.3630, -17.1090



74.7980, -89.3630, 17.1090

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.



111.2500, -120.3550, 6.0850



128.2020, 89.3630, -17.1090



119.3930, -111.5930, -20.5610

Square

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



128.2020, 89.3630, -17.1090



104.0830, -71.2390, -58.0790



119.9580, -122.8290, -4.1490



136.2210, 47.0760, 60.9640

Rectangle

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



128.2020, 89.3630, -17.1090



121.2500, 26.3730, -53.9710



119.9580, -122.8290, -4.1490



135.7440, -44.5720, 36.8680

Sweetspot

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



128.2020, 89.3630, -17.1090



226.9650, 33.4710, -6.3770



71.0710, 91.7770, 71.3370



111.0160, 20.2660, -3.8460



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.



128.2020, 89.3630, -17.1090



160.7730, 112.3800, -21.2520



176.8680, 59.2030, -65.2530



98.5120, 4.3100, -1.0180



104.8120, 73.0860, -13.9700



24.2760, 16.5980, -3.4500

Inverse Universe

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



74.7980, -89.3630, 17.1090



94.2270, -112.3800, 21.2520



26.1320, -59.2030, 65.2530



95.4880, -4.3100, 1.0180



61.1880, -73.0860, 13.9700



14.3110, -16.8730, 2.9270

Previews

White Background



This preview shows how the YIQ color 128.2020, 89.3630, -17.1090 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 128.2020, 89.3630, -17.1090 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 128.2020, 89.3630, -17.1090

Background



This preview shows how black text looks on a background with the YIQ color 128.2020, 89.3630, -17.1090.



This preview shows how white text looks on a background with the YIQ color 128.2020, 89.3630, -17.1090.

-17.1090.

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

128.2020, 89.3630, -17.1090

Protanopia

129.1750, 49.2940, -34.3380

Deuteranopia

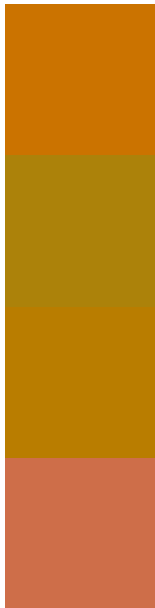
128.3360, 67.9540, -31.1020



Tritanopia

137.8120, 57.0320, 23.6880

Trichromacy



Original Color

128.2020, 89.3630, -17.1090

Protanomaly

128.8780, 63.5520, -28.4160

Deuteranomaly

128.6900, 75.8850, -26.1550

Tritanomaly

134.4860, 69.0930, 8.8450

Monochromacy



Original Color

128.2020, 89.3630, -17.1090

Achromatopsia

128.0000, -0.0000, -0.0000

Achromatomaly

127.7800, 32.5540, -6.2780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 128.2020, 89.3630, -17.1090 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(203, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 115, 0)  
}
```

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(203, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 115, 0) }
```

Border

The CSS property to change the border of an element to YIQ 128.2020, 89.3630, -17.1090 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(203, 115, 0) }
```


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

```
.border{ border-color:rgb(203, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 115,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 128.2020, 89.3630, -17.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 115, 0) }
```

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

```
.background{ background-color: rgb(203,  
115, 0) }
```

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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