

Converting Colors

YIQ(112.7420, 106.7790,
19.6990)

Have a look what the booklet for
YIQ(112.7420, 106.7790, 19.6990)
contains.

YIQ(112.7420, 106.7790, 19.6990)	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>	30

Color

**YIQ(112.7420, 106.7790,
19.6990)**

Conversions

Conversions Part 1

Format	Color
Hex	E3471C
RGB	227, 71, 28
RGB Percent	89%, 28%, 11%
CMY	0.1095, 0.7218, 0.8897
CMYK	0.00, 0.69, 0.88, 0.11
HSL	13°, 78%, 50%
HSV	13°, 88%, 89%
XYZ	34.1663, 20.9277, 3.3446
YIQ	112.7420, 106.7790, 19.6990

Conversions

Conversions Part 2

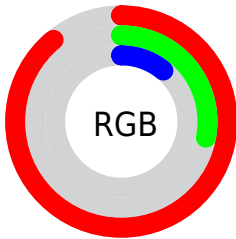
Format	Color
R_{YB}	227, 83, 28
Decimal	14894876
CIE _{Lab}	52.87, 58.66, 56.11
CIE _{LCh}	53, 81.171, 43.725
Yxy	20.9277, 0.5847, 0.3581
Android (android.graphics.Color)	4293084956 (0xFFE3471C)
YUV	112.7420, -41.7778, 100.2043
Hunter-Lab	45.7468, 53.2571, 27.6880

Details

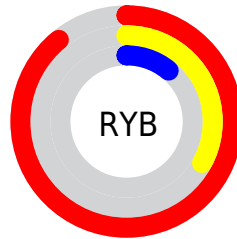
The YIQ color **112.7420, 106.7790, 19.6990** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **142.2580, -106.7790, -19.6990**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.6860, 92.0170, 11.8970**, and **48.7370, 97.1480, 34.5560** is the 20% darker color. If you saturate the color by 10%, you get **99.5540, 119.1120, 21.9600**, and if you desaturate by 10%, it is **125.9300, 94.4460, 17.4380**.

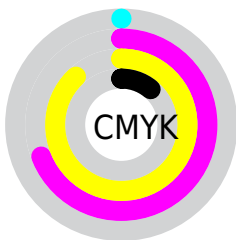
Distribution



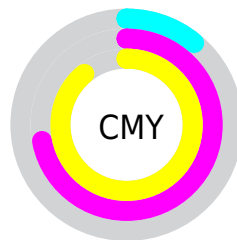
- Red (89%)
- Green (28%)
- Blue (11%)



- Red (89%)
- Yellow (33%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (88%)
- Black (11%)



- Cyan (11%)
- Magenta (72%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.7420, 106.7790, 19.6990 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 112.7420, 106.7790, 19.6990 by changing the saturation by 10% instead.

■ 112.7420,
106.7790, 19.6990

■ 112.7420,
106.7790, 19.6990

255.0000, -0.0000,
-0.0000

■ 81.7850, 105.2200,
20.4200

■ 159.6860, 92.0170,
11.8970

■ 48.7370, 97.1480,
34.5560

■ 179.6730, 75.6960,
4.8160

■ 39.1690, 78.0760,
27.7720

■ 199.0730, 59.6500,
-1.7420

■ 29.9000, 59.6000,
21.2000

■ 219.0600, 43.3290,
-8.8230

■ 21.4570, 41.6740,
15.6740

■ 239.2750, 26.3660,
-15.2820

■ 12.3730, 24.1150,
9.0030

■ 250.0980, 13.8030,

■ 0.0000, 0.0000,

-13.3730

0.0000

253.2900, 4.8150,
-4.6650

112.7420,
106.7790, 19.6990

112.7420,
106.7790, 19.6990

99.5540, 119.1120,
21.9600

125.9300, 94.4460,
17.4380

96.6360, 121.8170,
22.4970

139.1180, 82.1130,
15.1770

151.6050, 70.3760,
13.1280

164.7930, 58.0430,
10.8670

177.9810, 45.7100,
8.6060

■ 191.0550, 33.6980,
6.0340

■ 204.2430, 21.3650,
3.7730

■ 217.4310, 9.0320,
1.5120

■ 229.9180, -2.7050,
-0.5370

Harmonies

Analogous

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



97.0530, 109.3830, 71.6470



112.7420, 106.7790, 19.6990



118.9990, 79.6890, -17.9990

Triad

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



112.7420, 106.7790, 19.6990



99.3870, -69.0390, -53.8950



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.



112.7420, 106.7790, 19.6990



142.2580, -106.7790, -19.6990

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



112.7420, 106.7790, 19.6990



109.5840, -93.6180, -32.4500

Square

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



112.7420, 106.7790, 19.6990



92.5680, -27.9090, -72.4290



115.7060, -113.6120, -11.5000



127.8690, 1.2730, 59.5530

Rectangle

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



112.7420, 106.7790, 19.6990



117.6160, 52.3660, -34.9460



115.7060, -113.6120, -11.5000



107.1410, -118.4300, 9.7460

Sweetspot

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



112.7420, 106.7790, 19.6990



216.9520, 35.4860, 6.6700



105.6270, 67.5650, 91.6370



104.6560, 21.6400, 4.2960



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.



112.7420, 106.7790, 19.6990



108.5300, 136.8550, 25.2950



169.0940, 80.3790, -30.5090



108.3490, 6.3270, 0.9750



75.8270, 96.2340, 18.0740



21.7060, 27.3710, 5.0590

Inverse Universe

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



142.2580, -106.7790, -19.6990



146.4700, -136.8550, -25.2950



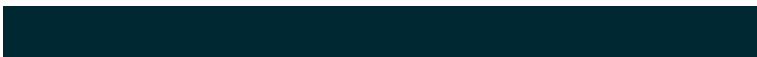
85.9060, -80.3790, 30.5090



109.6510, -6.3270, -0.9750



102.5860, -95.9590, -17.5510



29.2940, -27.3710, -5.0590

Previews

White Background



This preview shows how the YIQ color 112.7420, 106.7790, 19.6990 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 112.7420, 106.7790, 19.6990 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 112.7420, 106.7790, 19.6990

Background



This preview shows how black text looks on a background with the YIQ color 112.7420, 106.7790, 19.6990.



This preview shows how white text looks on a background with the YIQ color 112.7420, 106.7790,

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

112.7420, 106.7790, 19.6990

Protanopia

121.7950, 36.2250, -23.2550

Tritanopia

115.4810, 94.9930, 35.0650

Trichromacy



Original Color

112.7420, 106.7790, 19.6990

Protanomaly

118.7540, 61.8060, -7.7780

Tritanomaly

114.3580, 99.5330, 29.8770

Monochromacy



Original Color

112.7420, 106.7790, 19.6990

Achromatopsia

113.0000, -0.0000, 0.0000

Achromatomaly

112.9200, 38.5120, 6.8960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.7420, 106.7790, 19.6990 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(227, 71, 28)` looks like.

```
.text, #text, p{  
    color:rgb(227, 71, 28)  
}
```

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(227, 71, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 71, 28) }
```

Border

The CSS property to change the border of an element to YIQ 112.7420, 106.7790, 19.6990 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(227, 71, 28) }
```

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

```
.border{ border-color:rgb(227, 71, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 71, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 71, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 71, 28);  
box-shadow:4px 4px 4px 4px rgb(227, 71,  
28) }
```


Background

The CSS property to change the background color of an element to YIQ 112.7420, 106.7790, 19.6990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 71, 28) }
```

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

```
.background{ background-color: rgb(227, 71,  
28) }
```

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