

Converting Colors

YIQ(80.9100, 106.3660, 21.6780)

Have a look what the booklet for
YIQ(80.9100, 106.3660, 21.6780)
contains.

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Color

**YIQ(80.9100, 106.3660,
21.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	C42600
RGB	196, 38, 0
RGB Percent	77%, 15%, 0%
CMY	0.2310, 0.8512, 0.9995
CMYK	0.00, 0.81, 1.00, 0.23
HSL	12°, 100%, 38%
HSV	12°, 100%, 77%
XYZ	23.4799, 13.1300, 1.3001
YIQ	80.9100, 106.3660, 21.6780

Conversions

Conversions Part 2

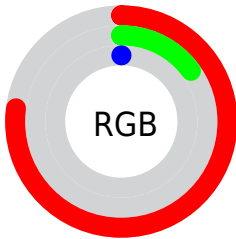
Format	Color
R_{YB}	196, 47, 0
Decimal	12854784
CIE _{Lab}	42.96, 59.60, 55.94
CIE _{LCh}	43, 81.739, 43.186
Yxy	13.1300, 0.6194, 0.3463
Android (android.graphics.Color)	4291044864 (0xFFC42600)
YUV	80.9100, -39.8886, 100.9339
Hunter-Lab	36.2354, 52.2531, 23.2375

Details

The YIQ color **80.9100, 106.3660, 21.6780** 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 **115.0900, -106.3660, -21.6780**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9270, 107.6960, 19.6000**, and **39.4680, 78.6720, 27.9840** is the 20% darker color. If you saturate the color by 10%, you get **80.9100, 106.3660, 21.6780**, and if you desaturate by 10%, it is **92.5820, 95.5460, 19.5300**.

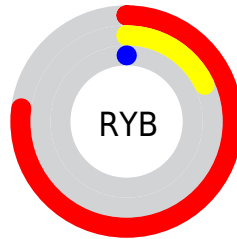
Distribution



Red (77%)

Green (15%)

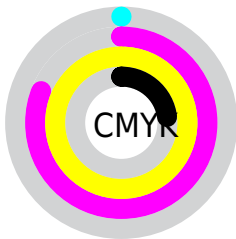
Blue (0%)



Red (77%)

Yellow (18%)

Blue (0%)

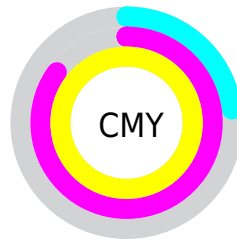


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 80.9100, 106.3660, 21.6780 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 80.9100, 106.3660, 21.6780 by changing the saturation by 10% instead.


 80.9100, 106.3660,
21.6780


 80.9100, 106.3660,
21.6780


 253.4040, 4.4940,
-4.3540


 49.0360, 97.7440,
34.7680


 139.9270,
107.6960, 19.6000


 39.4680, 78.6720,
27.9840


 159.8000, 91.6960,
12.2080


 30.1990, 60.1960,
21.4120


 179.0860, 75.9710,
5.3390

 21.7560, 42.2700,
15.8860

 198.4860, 59.9250,
-1.2190


 12.6720, 24.7110,
9.2150


 218.5870, 43.2830,
-7.9890


 0.0000, 0.0000,
0.0000


 239.2750, 26.3660,


-15.2820

 250.0980, 13.8030,
-13.3730


 80.9100, 106.3660,
21.6780

 92.5820, 95.5460,
19.5300

 104.1400, 85.0470,
17.0710

 115.2250, 74.5020,
15.4460

 126.8970, 63.6820,
13.2980

 138.4550, 53.1830,
10.8390

■ 150.1270, 42.3630,
8.6910

■ 161.6850, 31.8640,
6.2320

■ 173.3570, 21.0440,
4.0840

■ 184.4420, 10.4990,
2.4590

Harmonies

Analogous

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



72.5360, 103.4690, 68.6930



80.9100, 106.3660, 21.6780



95.6530, 69.2800, -11.0720

Triad

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



80.9100, 106.3660, 21.6780



80.6880, -53.5890, -47.5490



86.1910, -103.5310, 20.5730

Complementary

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



80.9100, 106.3660, 21.6780



115.0900, -106.3660, -21.6780

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.



97.0020, -107.7930, 9.7030



80.9100, 106.3660, 21.6780



90.0700, -77.2510, -26.2030

Square

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



80.9100, 106.3660, 21.6780



70.4400, -33.0000, -62.7600



97.2520, -97.4740, -6.6100



100.9720, -0.5150, 58.9170

Rectangle

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



80.9100, 106.3660, 21.6780



95.1560, 42.2780, -28.3300



97.2520, -97.4740, -6.6100



91.2290, -106.6940, 17.3220

Sweetspot

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



80.9100, 106.3660, 21.6780



209.9420, 41.4460, 8.7900



76.8440, 65.4560, 91.3120



100.4500, 25.2160, 5.5680



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.



80.9100, 106.3660, 21.6780



105.0080, 138.5050, 28.4330



137.2620, 79.9660, -28.5300



91.1640, 5.4100, 1.0740



66.3360, 87.4310, 17.9190



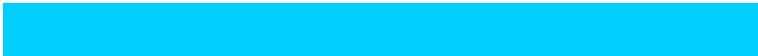
13.3890, 18.0180, 3.8580

Inverse Universe

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



115.0900, -106.3660, -21.6780



149.9920, -138.5050, -28.4330



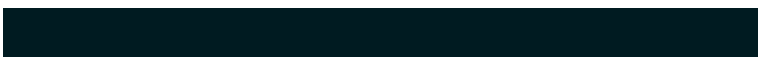
58.7380, -79.9660, 28.5300



92.8360, -5.4100, -1.0740



94.6640, -87.4310, -17.9190



19.6110, -18.0180, -3.8580

Previews

White Background



This preview shows how the YIQ color 80.9100, 106.3660, 21.6780 looks on a white background.

Color Contrast Check

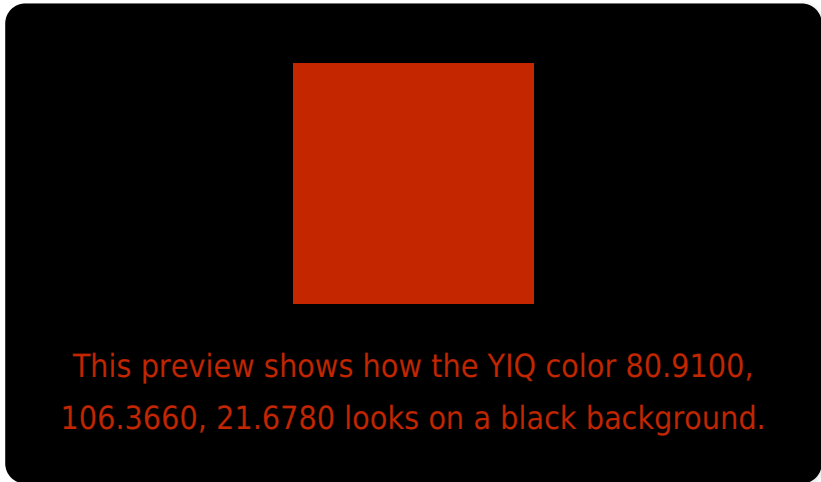
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.9100, 106.3660, 21.6780

Background



This preview shows how black text looks on a background with the YIQ color 80.9100, 106.3660, 21.6780.



This preview shows how white text looks on a background with the YIQ color 80.9100, 106.3660,

21.6780.

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

80.9100, 106.3660, 21.6780

Protanopia

97.5820, 32.5110, -22.0250

Deuteranopia

96.0970, 49.9340, -23.9060



Tritanopia

83.7260, 95.6810, 33.6090

Trichromacy



Original Color

80.9100, 106.3660, 21.6780

Protanomaly

91.1390, 59.2840, -6.1240

Deuteranomaly

90.3590, 70.2880, -7.3120

Tritanomaly

82.8310, 99.5790, 29.0430

Monochromacy



Original Color

80.9100, 106.3660, 21.6780

Achromatopsia

81.0000, -0.0000, 0.0000

Achromatomaly

80.8600, 38.7410, 8.2530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.9100, 106.3660, 21.6780 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(196, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 38, 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(196, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 38, 0) }
```

Border

The CSS property to change the border of an element to YIQ 80.9100, 106.3660, 21.6780 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(196, 38, 0) }
```


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

```
.border{ border-color:rgb(196, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(196, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 80.9100, 106.3660, 21.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 38, 0) }
```

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

```
.background{ background-color: rgb(196, 38,  
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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