

Converting Colors

YIQ(80.1120, 82.2500, 18.2020)

Have a look what the booklet for
YIQ(80.1120, 82.2500, 18.2020)
contains.

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Color

**YIQ(80.1120, 82.2500,
18.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2E14
RGB	170, 46, 20
RGB Percent	67%, 18%, 8%
CMY	0.3331, 0.8198, 0.9212
CMYK	0.00, 0.73, 0.88, 0.33
HSL	10°, 79%, 37%
HSV	10°, 88%, 67%
XYZ	17.6950, 10.5547, 1.7706
YIQ	80.1120, 82.2500, 18.2020

Conversions

Conversions Part 2

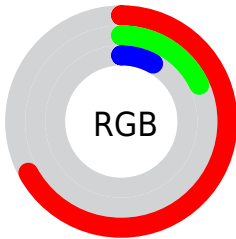
Format	Color
R _Y B	170, 51, 20
Decimal	11152916
CIE Lab	38.82, 49.21, 43.85
CIE LCh	39, 65.909, 41.704
Yxy	10.5547, 0.5894, 0.3516
Android (android.graphics.Color)	4289342996 (0xFFAA2E14)
YUV	80.1120, -29.6352, 78.8318
Hunter-Lab	32.4880, 40.3680, 19.5103

Details

The YIQ color **80.1120, 82.2500, 18.2020** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **109.8880, -82.2500, -18.2020**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **135.7060, 89.2650, 17.7210**, and **32.5910, 64.9640, 23.1080** is the 20% darker color. If you saturate the color by 10%, you get **69.9560, 91.5570, 20.2370**, and if you desaturate by 10%, it is **90.2680, 72.9430, 16.1670**.

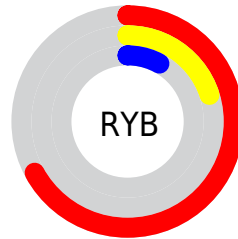
Distribution



Red (67%)

Green (18%)

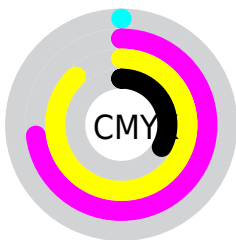
Blue (8%)



Red (67%)

Yellow (20%)

Blue (8%)

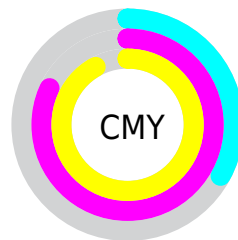


Cyan (0%)

Magenta (73%)

Yellow (88%)

Black (33%)



Cyan (33%)

Magenta (82%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.1120, 82.2500, 18.2020 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 80.1120, 82.2500, 18.2020 by changing the saturation by 10% instead.

80.1120, 82.2500,
18.2020

80.1120, 82.2500,
18.2020

254.8860, 0.3210,
-0.3110

48.3170, 80.4150,
23.9270

136.0050, 89.8610,
17.9330

32.5910, 64.9640,
23.1080

161.1680, 87.8440,
15.9400

23.6210, 47.0840,
16.7480

180.4540, 72.1190,
9.0710

16.0750, 30.9460,
11.8580

199.8540, 56.0730,
2.5130

0.8970, 1.7880,
0.6360

219.3680, 39.7060,
-3.7340

0.0000, 0.0000,
0.0000

239.5830, 22.7430,

-10.1930

■ 251.5800, 9.6300,
-9.3300

■ 80.1120, 82.2500,
18.2020

■ 80.1120, 82.2500,
18.2020

■ 69.9560, 91.5570,
20.2370

■ 90.2680, 72.9430,
16.1670

■ 67.8530, 93.3450,
20.8730

■ 100.4240, 63.6360,
14.1320

■ 110.5800, 54.3290,
12.0970

■ 120.7360, 45.0220,
10.0620

■ 130.8920, 35.7150,
8.0270

■ 141.0480, 26.4080,
5.9920

■ 151.2040, 17.1010,
3.9570

■ 161.9470, 7.5190,
1.3990

■ 172.1030, -1.7880,
-0.6360

Harmonies

Analogous

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



63.6260, 85.3600, 60.9760



80.1120, 82.2500, 18.2020



85.8740, 61.3480, -10.4920

Triad

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



80.1120, 82.2500, 18.2020



72.0140, -48.4550, -41.4710



76.5760, -88.8580, 13.4620

Complementary

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



80.1120, 82.2500, 18.2020



109.8880, -82.2500, -18.2020

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.



84.9250, -91.6990, 4.3730



80.1120, 82.2500, 18.2020



79.6860, -67.3020, -24.7900

Square

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



80.1120, 82.2500, 18.2020



68.7890, -17.5050, -51.7210



84.7990, -83.0770, -8.7170



92.7460, -3.3550, 44.3010

Rectangle

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



80.1120, 82.2500, 18.2020



85.7200, 40.8100, -23.7500



84.7990, -83.0770, -8.7170



80.3260, -91.1500, 10.9460

Sweetspot

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



80.1120, 82.2500, 18.2020



187.2120, 31.8180, 7.0660



79.1000, 49.2750, 70.6750



90.9870, 19.2100, 4.2820



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1120, 82.2500, 18.2020



88.6840, 121.8620, 27.1900



123.5500, 61.9000, -20.5000



78.9790, 4.4930, 1.1730



59.5140, 81.0580, 17.7780



8.3280, 10.8200, 2.1480

Inverse Universe

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



109.8880, -82.2500, -18.2020



133.3160, -121.8620, -27.1900



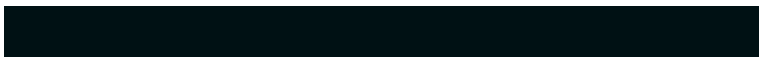
66.4500, -61.9000, 20.5000



81.0210, -4.4930, -1.1730



88.4860, -81.0580, -17.7780



12.2590, -11.0950, -2.6710

Previews

White Background



This preview shows how the YIQ color 80.1120, 82.2500, 18.2020 looks on a white background.

Color Contrast Check

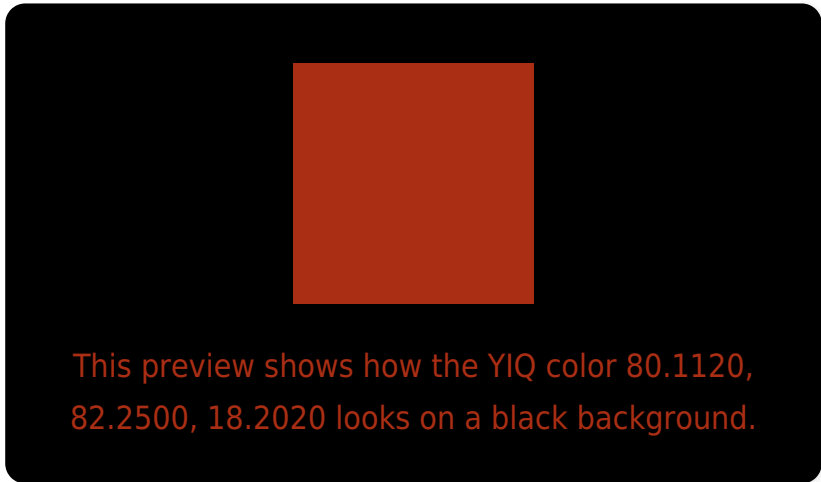
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.1120, 82.2500, 18.2020

Background



This preview shows how black text looks on a background with the YIQ color 80.1120, 82.2500, 18.2020.



This preview shows how white text looks on a background with the YIQ color 80.1120, 82.2500,

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

80.1120, 82.2500, 18.2020

Protanopia

89.2210, 26.4580, -16.9500

Deuteranopia

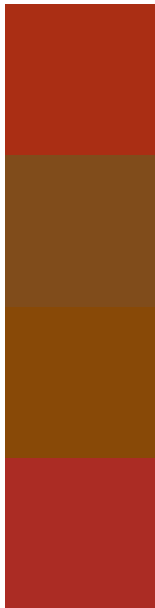
86.6390, 45.5320, -21.2200



Tritanopia

81.5000, 75.6460, 27.7580

Trichromacy



Original Color

80.1120, 82.2500, 18.2020

Protanomaly

85.9620, 46.7210, -4.2150

Deuteranomaly

84.3130, 58.7340, -7.1700

Tritanomaly

81.0610, 78.2600, 24.4360

Monochromacy



Original Color

80.1120, 82.2500, 18.2020

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

80.3150, 30.0300, 6.4300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.1120, 82.2500, 18.2020 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(170, 46, 20)` looks like.

```
.text, #text, p{  
    color:rgb(170, 46, 20)  
}
```

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(170, 46, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 46, 20) }
```

Border

The CSS property to change the border of an element to YIQ 80.1120, 82.2500, 18.2020 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(170, 46, 20) }
```


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

```
.border{ border-color:rgb(170, 46, 20) }
```

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

Here you see how a box with a 4 pixel rgb(170, 46, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 46, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 46, 20);  
box-shadow:4px 4px 4px 4px rgb(170, 46,  
20) }
```

Background

The CSS property to change the background color of an element to YIQ 80.1120, 82.2500, 18.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 46, 20) }
```

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

```
.background{ background-color: rgb(170, 46,  
20) }
```

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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