

Converting Colors

YIQ(17.5130, 20.9050, 12.1130)

Have a look what the booklet for
YIQ(17.5130, 20.9050, 12.1130)
contains.

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Color

**YIQ(17.5130, 20.9050,
12.1130)**

Conversions

Conversions Part 1

Format	Color
Hex	2D040F
RGB	45, 4, 15
RGB Percent	18%, 2%, 6%
CMY	0.8234, 0.9844, 0.9411
CMYK	0.00, 0.91, 0.67, 0.82
HSL	344°, 84%, 10%
HSV	344°, 91%, 18%
XYZ	1.2129, 0.6795, 0.5199
YIQ	17.5130, 20.9050, 12.1130

Conversions

Conversions Part 2

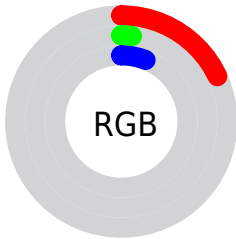
Format	Color
RYB	45, 4, 15
Decimal	2950159
CIELab	6.14, 21.42, 3.15
CIELCh	6, 21.652, 8.356
Yxy	0.6795, 0.5028, 0.2817
Android (android.graphics.Color)	4281140239 (0xFF2D040F)
YUV	17.5130, -1.2389, 24.1061
Hunter-Lab	8.2432, 11.8401, 2.0310

Details

The YIQ color **17.5130, 20.9050, 12.1130** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31.4870, -20.9050, -12.1130**, and the grayscale version is **18.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **63.1820, 23.3350, 12.1270**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **14.8230, 22.9680, 13.2720**, and if you desaturate by 10%, it is **20.2030, 18.8420, 10.9540**.

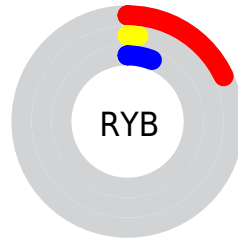
Distribution



Red (18%)

Green (2%)

Blue (6%)



Red (18%)

Yellow (2%)

Blue (6%)

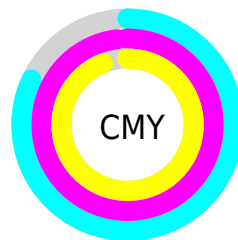


Cyan (0%)

Magenta (91%)

Yellow (67%)

Black (82%)



Cyan (82%)

Magenta (98%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 17.5130, 20.9050, 12.1130 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 17.5130, 20.9050, 12.1130 by changing the saturation by 10% instead.

■ 17.5130, 20.9050,
12.1130

■ 17.5130, 20.9050,
12.1130

■ 237.9140, 12.2860,
8.6220

■ 3.5880, 7.1520,
2.5440

■ 63.1820, 23.3350,
12.1270

■ 0.0000, 0.0000,
0.0000

■ 87.0790, 25.1230,
12.7630


■ 111.6770, 26.3150,
13.1870


■ 137.2750, 27.5070,
13.6110


■ 163.8730, 28.6990,
14.0350


■ 191.4710, 29.8910,


14.4590


 218.1720, 29.2950,
14.2470


 17.5130, 20.9050,
12.1130


 17.5130, 20.9050,
12.1130


 14.8230, 22.9680,
13.2720

 20.2030, 18.8420,
10.9540

 23.5940, 16.1830,
9.5830

 26.2840, 14.1200,
8.4240

 29.5610, 11.7820,
6.7420

 32.2510, 9.7190,
5.5830

■ 35.6420, 7.0600,
4.2120

■ 38.9190, 4.7220,
2.5300

■ 41.6090, 2.6590,
1.3710

■ 45.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



19.0160, 12.2390, 14.9830



17.5130, 20.9050, 12.1130



17.5530, 23.4280, 4.9320

Triad

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



17.5130, 20.9050, 12.1130



14.6750, -6.8750, -13.0750



19.9190, -21.6410, 1.2310

Complementary

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



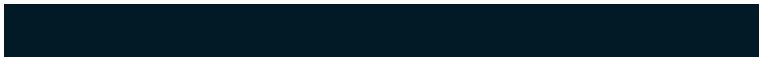
17.5130, 20.9050, 12.1130



31.4870, -20.9050, -12.1130

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.



20.0670, -19.3020, -2.6140



17.5130, 20.9050, 12.1130



16.6640, -8.3420, -14.0220

Square

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



17.5130, 20.9050, 12.1130



18.3180, 7.6120, -5.7960



19.6450, -15.3580, -8.0140



17.2120, -20.9080, 4.4680

Rectangle

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



17.5130, 20.9050, 12.1130



18.4060, 19.3480, 1.7800



19.6450, -15.3580, -8.0140



20.2780, -21.2740, 0.0860

Sweetspot

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



17.5130, 20.9050, 12.1130



48.2400, 8.2520, 4.6360



17.3450, 4.1230, 18.8990



24.2180, 5.3180, 2.7420



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



17.5130, 20.9050, 12.1130



19.4650, 30.0280, 17.4840



21.5420, 21.9610, 3.9850



21.5980, 1.1920, 0.4240



28.6350, 44.4690, 25.5970



70.5980, 108.9260, 63.4060

Inverse Universe

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



17.5130, 20.9050, 12.1130



19.4650, 30.0280, 17.4840



27.4580, -21.9610, -3.9850



21.5980, 1.1920, 0.4240



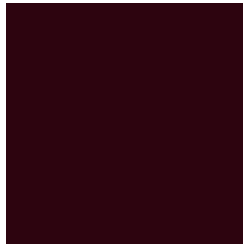
28.6350, 44.4690, 25.5970



70.5980, 108.9260, 63.4060

Previews

White Background



This preview shows how the YIQ color 17.5130, 20.9050, 12.1130 looks on a white background.

Color Contrast Check

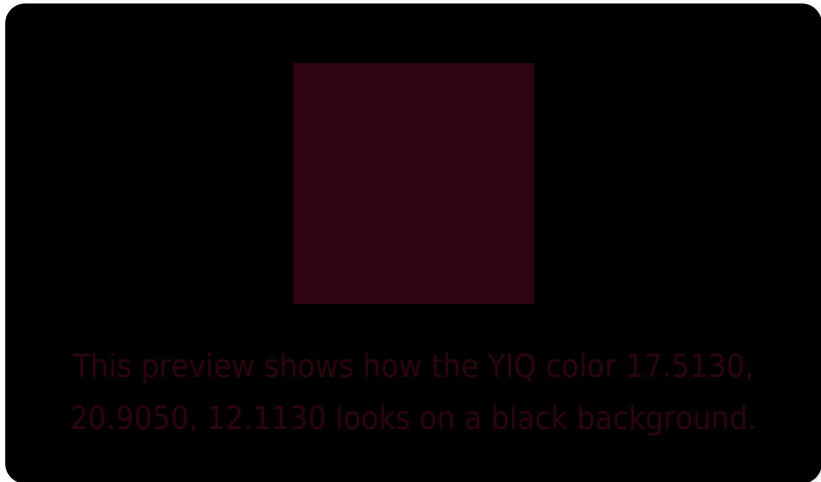
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

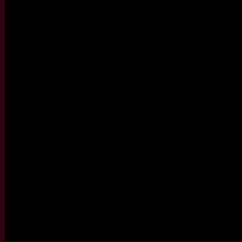
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 17.5130, 20.9050, 12.1130

Background



This preview shows how black text looks on a background with the YIQ color 17.5130, 20.9050, 12.1130.



This preview shows how white text looks on a background with the YIQ color 17.5130, 20.9050,

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

17.5130, 20.9050, 12.1130

Protanopia

23.1850, 0.9170, -0.0990

Deuteranopia

22.7680, 6.4650, -1.5270



Tritanopia

18.2480, 22.9690, 7.7450

Trichromacy



Original Color

17.5130, 20.9050, 12.1130

Protanomaly

21.1260, 8.5730, 4.3250

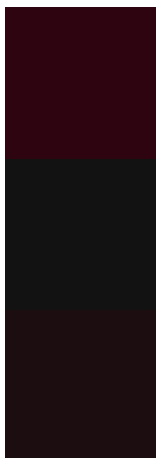
Deuteranomaly

20.5670, 11.6450, 3.7170

Tritanomaly

18.0030, 22.2810, 9.2010

Monochromacy



Original Color

17.5130, 20.9050, 12.1130

Achromatopsia

18.0000, -0.0000, 0.0000

Achromatomaly

17.9410, 7.6560, 4.4240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 17.5130, 20.9050, 12.1130 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(45, 4, 15)` looks like.

```
.text, #text, p{  
    color:rgb(45, 4, 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(45, 4, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 4, 15) }
```

Border

The CSS property to change the border of an element to YIQ 17.5130, 20.9050, 12.1130 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(45, 4, 15) }
```


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

```
.border{ border-color:rgb(45, 4, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 4, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 4, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 4, 15); box-shadow:4px  
4px 4px 4px rgb(45, 4, 15) }
```

Background

The CSS property to change the background color of an element to YIQ 17.5130, 20.9050, 12.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 4, 15) }
```

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

```
.background{ background-color: rgb(45, 4,  
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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