

Converting Colors

YIQ(47.8090, 7.2470, -15.7050)

Have a look what the booklet for
YIQ(47.8090, 7.2470, -15.7050)
contains.

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Color

**YIQ(47.8090, 7.2470,
-15.7050)**

Conversions

Conversions Part 1

Format	Color
Hex	2D380D
RGB	45, 56, 13
RGB Percent	18%, 22%, 5%
CMY	0.8236, 0.7804, 0.9490
CMYK	0.20, 0.00, 0.77, 0.78
HSL	75°, 62%, 14%
HSV	75°, 77%, 22%
XYZ	2.5687, 3.4155, 0.9052
YIQ	47.8090, 7.2470, -15.7050

Conversions

Conversions Part 2

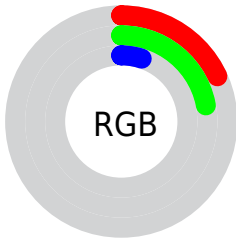
Format	Color
RYB	13, 56, 24
Decimal	2963469
CIELab	21.64, -12.18, 24.36
CIELCh	22, 27.232, 116.564
Yxy	3.4155, 0.3729, 0.4958
Android (android.graphics.Color)	4281153549 (0xFF2D380D)
YUV	47.8090, -17.1608, -2.4635
Hunter-Lab	18.4810, -7.5314, 10.0328

Details

The YIQ color **47.8090, 7.2470, -15.7050** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **21.1910, -7.2470, 15.7050**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **94.4670, 8.2100, -16.6380**, and **6.4570, -3.0250, -5.7530** is the 20% darker color. If you saturate the color by 10%, you get **46.8260, 8.5770, -17.7830**, and if you desaturate by 10%, it is **48.7920, 5.9170, -13.6270**.

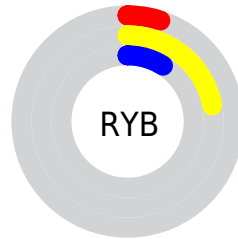
Distribution



Red (18%)

Green (22%)

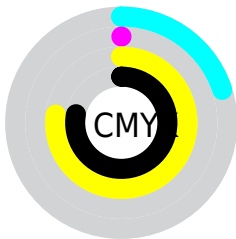
Blue (5%)



Red (5%)

Yellow (22%)

Blue (9%)

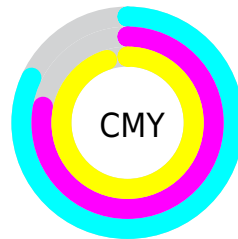


Cyan (20%)

Magenta (0%)

Yellow (77%)

Black (78%)



Cyan (82%)

Magenta (78%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.8090, 7.2470, -15.7050 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 47.8090, 7.2470, -15.7050 by changing the saturation by 10% instead.

■ 47.8090, 7.2470,
-15.7050

■ 47.8090, 7.2470,
-15.7050

■ 253.2900, 4.8150,
-4.6650

■ 27.1340, 4.9540,
-12.6940

■ 94.4670, 8.2100,
-16.6380

■ 6.4570, -3.0250,
-5.7530

■ 119.3530, 8.5310,
-16.9490

■ 0.0000, 0.0000,
0.0000

■ 145.1250, 9.1730,
-17.5710

■ 172.0110, 9.4940,
-17.8820

■ 199.1960, 10.4110,
-17.9810

■ 227.6690, 10.4570,

-18.8150

■ 250.0980, 13.8030,
-13.3730

■ 47.8090, 7.2470,
-15.7050

■ 47.8090, 7.2470,
-15.7050

■ 46.8260, 8.5770,
-17.7830

■ 48.7920, 5.9170,
-13.6270

■ 45.6580, 8.9900,
-19.7620

■ 49.9600, 5.5040,
-11.6480

■ 45.4300, 9.6320,
-20.3840

■ 50.9430, 4.1740,
-9.5700

■ 52.1110, 3.7610,
-7.5910

■ 53.0940, 2.4310,
-5.5130

■ 54.3760, 1.6970,
-3.2230

■ 55.2450, 0.6880,
-1.4560

■ 56.2280, -0.6420,
0.6220

■ 57.3960, -1.0550,
2.6010

Harmonies

Analogous

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



49.6970, 22.4220, -9.8820



47.8090, 7.2470, -15.7050



43.9080, -15.0810, -18.5450

Triad

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



47.8090, 7.2470, -15.7050



44.3230, -43.5100, -4.4220



52.2410, 24.8470, 17.7670

Complementary

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



47.8090, 7.2470, -15.7050



21.1910, -7.2470, 15.7050

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.



53.4550, 9.6250, 18.3050



47.8090, 7.2470, -15.7050



42.7730, -44.6570, -0.1530

Square

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



47.8090, 7.2470, -15.7050



43.6730, -38.9240, -10.4440



52.5600, -12.8400, 12.4400



50.8470, 31.5880, 11.2360

Rectangle

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



47.8090, 7.2470, -15.7050



40.5950, -30.2570, -18.8410



52.5600, -12.8400, 12.4400



52.7290, 20.5370, 18.7850

Sweetspot

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



47.8090, 7.2470, -15.7050



70.8660, 3.0730, -6.1350



32.3140, 22.6030, 3.3630



36.2620, 2.0180, -3.5340



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



47.8090, 7.2470, -15.7050



61.1650, 11.6960, -24.7520



41.5300, -5.2690, -20.1570



27.3590, 0.3670, -1.1450



74.3360, 15.2280, -33.7000



177.2900, 36.9230, -79.9810

Inverse Universe

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



21.1910, -7.2470, 15.7050



18.8350, -11.6960, 24.7520



27.4700, 5.2690, 20.1570



25.6410, -0.3670, 1.1450



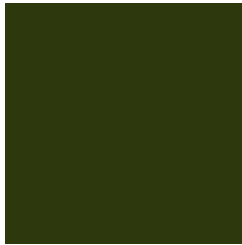
17.6640, -15.2280, 33.7000



41.7100, -36.9230, 79.9810

Previews

White Background



This preview shows how the YIQ color 47.8090, 7.2470, -15.7050 looks on a white background.

Color Contrast Check

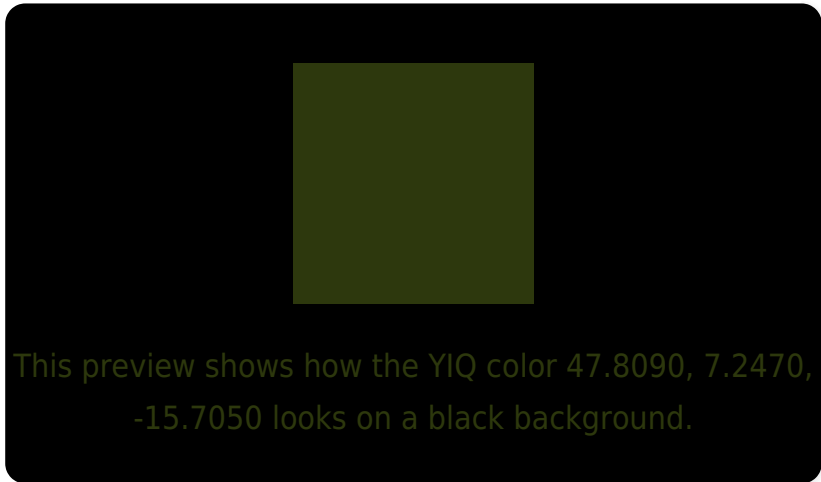
Large Text (above 18pt) WCAG AA ✓ Pass

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

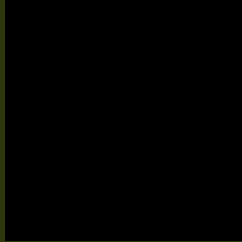
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.8090, 7.2470, -15.7050

Background



This preview shows how black text looks on a background with the YIQ color 47.8090, 7.2470, -15.7050.



This preview shows how white text looks on a background with the YIQ color 47.8090, 7.2470,

-15.7050.

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

47.8090, 7.2470, -15.7050

Protanopia

49.2340, 16.4160, -11.1680

Deuteranopia

50.0220, 20.1290, -6.8710



Tritanopia

51.8580, -2.4760, 0.8200

Trichromacy



Original Color

47.8090, 7.2470, -15.7050

Protanomaly

48.3260, 13.1610, -12.7510

Deuteranomaly

49.5760, 15.4530, -10.2350

Tritanomaly

50.0230, 1.1930, -5.1030

Monochromacy



Original Color

47.8090, 7.2470, -15.7050

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.9800, 2.7520, -5.8240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.8090, 7.2470, -15.7050 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, 56, 13)` looks like.

```
.text, #text, p{  
    color:rgb(45, 56, 13)  
}
```

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, 56, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 56, 13) }
```

Border

The CSS property to change the border of an element to YIQ 47.8090, 7.2470, -15.7050 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, 56, 13) }
```


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

```
.border{ border-color:rgb(45, 56, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 56, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 56, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 56, 13);  
box-shadow:4px 4px 4px 4px rgb(45, 56, 13)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.8090, 7.2470, -15.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 56, 13) }
```

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

```
.background{ background-color: rgb(45, 56,  
13) }
```

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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