

Converting Colors

YIQ(47.9830, 69.7320, 24.8040)

Have a look what the booklet for
YIQ(47.9830, 69.7320, 24.8040)
contains.

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Color

**YIQ(47.9830, 69.7320,
24.8040)**

Conversions

Conversions Part 1

Format	Color
Hex	820D0D
RGB	130, 13, 13
RGB Percent	51%, 5%, 5%
CMY	0.4899, 0.9492, 0.9487
CMYK	0.00, 0.90, 0.90, 0.49
HSL	360°, 82%, 28%
HSV	360°, 90%, 51%
XYZ	9.4332, 5.0673, 0.8641
YIQ	47.9830, 69.7320, 24.8040

Conversions

Conversions Part 2

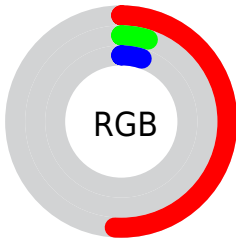
Format	Color
RYB	130, 13, 13
Decimal	8523021
CIELab	26.93, 46.47, 34.06
CIELCh	27, 57.620, 36.242
Yxy	5.0673, 0.6140, 0.3298
Android (android.graphics.Color)	4286713101 (0xFF820D0D)
YUV	47.9830, -17.2466, 71.9289
Hunter-Lab	22.5106, 35.4080, 13.4816

Details

The YIQ color **47.9830, 69.7320, 24.8040** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **95.0170, -69.7320, -24.8040**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **105.5720, 75.1430, 20.3510**, and **21.2290, 42.3160, 15.0520** is the 20% darker color. If you saturate the color by 10%, you get **38.8700, 77.4800, 27.5600**, and if you desaturate by 10%, it is **57.0960, 61.9840, 22.0480**.

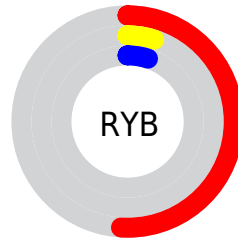
Distribution



Red (51%)

Green (5%)

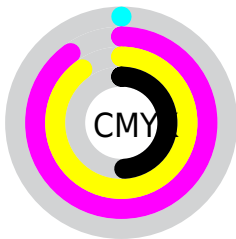
Blue (5%)



Red (51%)

Yellow (5%)

Blue (5%)

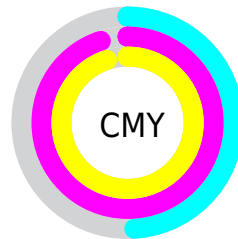


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (49%)



Cyan (49%)


Magenta (95%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 47.9830, 69.7320, 24.8040 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 47.9830, 69.7320, 24.8040 by changing the saturation by 10% instead.


 47.9830, 69.7320,
24.8040


 47.9830, 69.7320,
24.8040


 253.1760, 5.1360,
-4.9760


 30.1990, 60.1960,
21.4120

 105.5720, 75.1430,
20.3510


 21.2290, 42.3160,
15.0520


 133.3120, 78.8110,
19.9550

 13.5690, 26.4990,
9.8510

 161.1660, 82.1580,
19.8700

 0.0000, 0.0000,
0.0000

 180.8760, 68.1750,
14.4710

 200.2760, 52.1290,
7.9130

 219.7900, 35.7620,

1.6660

■ 240.0050, 18.7990,
-4.7930

■ 47.9830, 69.7320,
24.8040

■ 47.9830, 69.7320,
24.8040

■ 38.8700, 77.4800,
27.5600

■ 57.0960, 61.9840,
22.0480

■ 66.2090, 54.2360,
19.2920

■ 75.3220, 46.4880,
16.5360

■ 84.4350, 38.7400,
13.7800

■ 93.5480, 30.9920,
11.0240

■ 102.6610, 23.2440,
8.2680

■ 111.7740, 15.4960,
5.5120

■ 120.8870, 7.7480,
2.7560

■ 130.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



47.4610, 63.3550, 46.7710



47.9830, 69.7320, 24.8040



59.2830, 50.2510, -2.1090

Triad

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



47.9830, 69.7320, 24.8040



49.2230, -29.7500, -33.5420



56.7710, -67.5380, 12.5420

Complementary

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



47.9830, 69.7320, 24.8040



95.0170, -69.7320, -24.8040

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.



62.3160, -67.9950, 4.3010



47.9830, 69.7320, 24.8040



55.7550, -45.3870, -19.9710

Square

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



47.9830, 69.7320, 24.8040



50.0050, -8.7050, -34.9850



60.6570, -59.1900, -6.5980



63.7350, -13.9900, 33.2900

Rectangle

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



47.9830, 69.7320, 24.8040



60.3360, 33.5640, -13.5720



60.6570, -59.1900, -6.5980



59.7060, -68.9130, 9.9270

Sweetspot

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



47.9830, 69.7320, 24.8040



136.4550, 26.8200, 9.5400



60.7230, 30.9830, 60.7670



65.0730, 16.0920, 5.7240



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



47.9830, 69.7320, 24.8040



50.2320, 100.1280, 35.6160



81.4420, 54.0570, -5.0070



61.7940, 3.5760, 1.2720



38.8700, 77.4800, 27.5600



0.8970, 1.7880, 0.6360

Inverse Universe

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



47.9830, 69.7320, 24.8040



50.2320, 100.1280, 35.6160



61.5580, -54.0570, 5.0070



61.7940, 3.5760, 1.2720



38.8700, 77.4800, 27.5600



0.8970, 1.7880, 0.6360

Previews

White Background



This preview shows how the YIQ color 47.9830, 69.7320, 24.8040 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

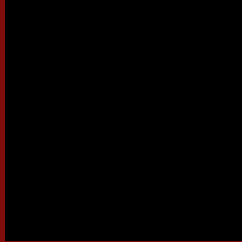
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.9830, 69.7320, 24.8040

Background



This preview shows how black text looks on a background with the YIQ color 47.9830, 69.7320, 24.8040.



This preview shows how white text looks on a background with the YIQ color 47.9830, 69.7320,

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

47.9830, 69.7320, 24.8040

Protanopia

63.6040, 18.2500, -11.3660

Deuteranopia

62.0970, 32.7390, -15.1410



Tritanopia

47.5270, 71.0160, 23.5600

Trichromacy



Original Color

47.9830, 69.7320, 24.8040

Protanomaly

57.9750, 36.6790, 1.5670

Deuteranomaly

57.1840, 46.2160, -0.5680

Tritanomaly

47.6410, 70.6950, 23.8710

Monochromacy



Original Color

47.9830, 69.7320, 24.8040

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.8570, 25.6280, 9.1160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.9830, 69.7320, 24.8040 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(130, 13, 13)` looks like.

```
.text, #text, p{  
    color:rgb(130, 13, 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(130, 13, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 13, 13) }
```

Border

The CSS property to change the border of an element to YIQ 47.9830, 69.7320, 24.8040 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(130, 13, 13) }
```


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

```
.border{ border-color:rgb(130, 13, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 13, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 13, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 13, 13);  
box-shadow:4px 4px 4px 4px rgb(130, 13,  
13) }
```

Background

The CSS property to change the background color of an element to YIQ 47.9830, 69.7320, 24.8040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 13, 13) }
```

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

```
.background{ background-color: rgb(130, 13,  
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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