

Converting Colors

YIQ(20.7450, 40.8030, 14.9390)

Have a look what the booklet for
YIQ(20.7450, 40.8030, 14.9390)
contains.

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Color

**YIQ(20.7450, 40.8030,
14.9390)**

Conversions

Conversions Part 1

Format	Color
Hex	450001
RGB	69, 0, 1
RGB Percent	27%, 0%, 0%
CMY	0.7292, 1.0000, 0.9959
CMYK	0.00, 1.00, 0.98, 0.73
HSL	359°, 100%, 14%
HSV	359°, 100%, 27%
XYZ	2.4629, 1.2690, 0.1450
YIQ	20.7450, 40.8030, 14.9390

Conversions

Conversions Part 2

Format	Color
R_{YB}	69, 0, 1
Decimal	4521985
CIE Lab	11.06, 31.33, 16.99
CIE LCh	11, 35.643, 28.467
Yxy	1.2690, 0.6353, 0.3273
Android (android.graphics.Color)	4282712065 (0xFF450001)
YUV	20.7450, -9.7343, 42.3196
Hunter-Lab	11.2651, 19.3121, 7.1223

Details

The YIQ color **20.7450, 40.8030, 14.9390** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **48.2550, -40.8030, -14.9390**, and the grayscale version is **21.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **71.3000, 43.5540, 14.6420**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **20.7450, 40.8030, 14.9390**, and if you desaturate by 10%, it is **25.6520, 36.6310, 13.4550**.

Distribution



Red (27%)

Green (0%)

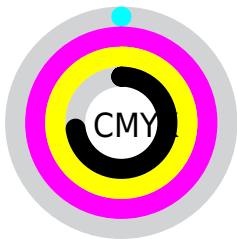
Blue (0%)



Red (27%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (73%)



Cyan (73%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.7450, 40.8030, 14.9390 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 20.7450, 40.8030, 14.9390 by changing the saturation by 10% instead.

■ 20.7450, 40.8030,
14.9390

■ 20.7450, 40.8030,
14.9390

■ 239.9540, 14.8090,
1.4410

■ 13.5690, 26.4990,
9.8510

■ 71.3000, 43.5540,
14.6420

■ 0.0000, 0.0000,
0.0000

■ 96.3820, 46.2590,
15.1790


■ 122.3500, 49.2850,
15.4050


■ 148.8340, 50.7980,
15.5180


■ 176.0300, 53.1820,
16.3660


■ 200.8120, 47.8640,


13.6240


 219.7390, 31.7720,
7.9000


 20.7450, 40.8030,
14.9390

 25.6520, 36.6310,
13.4550

 30.5590, 32.4590,
11.9710

 35.3520, 28.6080,
10.1760

 40.2590, 24.4360,
8.6920

 45.1660, 20.2640,
7.2080

■ 49.4860, 16.3670,
6.2470

■ 54.3930, 12.1950,
4.7630

■ 59.1860, 8.3440,
2.9680

■ 64.0930, 4.1720,
1.4840

Harmonies

Analogous

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



24.2790, 30.8520, 24.5800



20.7450, 40.8030, 14.9390



27.0220, 29.2970, 3.1930

Triad

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



20.7450, 40.8030, 14.9390



22.3060, -10.4500, -19.8740



28.3770, -34.4340, 7.3100

Complementary

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



20.7450, 40.8030, 14.9390



48.2550, -40.8030, -14.9390

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.



30.4000, -33.2410, 2.2070



20.7450, 40.8030, 14.9390



26.6720, -19.9880, -12.2120

Square

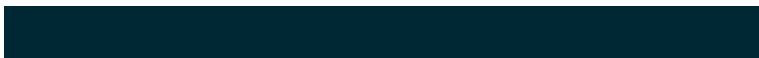
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.7450, 40.8030, 14.9390



25.0300, -0.6850, -15.1250



29.4080, -27.6920, -4.7480



28.3900, -18.1130, 14.3910

Rectangle

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



20.7450, 40.8030, 14.9390



28.4290, 20.5410, -3.3230



29.4080, -27.6920, -4.7480



29.4370, -34.6630, 5.9530

Sweetspot

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



20.7450, 40.8030, 14.9390



70.1870, 15.7710, 6.0350



28.1980, 18.3790, 35.8750



34.1970, 9.8110, 3.9150



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



20.7450, 40.8030, 14.9390



26.7250, 52.7230, 19.1790



40.0020, 32.0490, -2.6310



33.1960, 2.3840, 0.8480



29.7150, 58.6830, 21.2990



68.2150, 134.3290, 49.0570

Inverse Universe

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



20.7450, 40.8030, 14.9390



26.7250, 52.7230, 19.1790



28.9980, -32.0490, 2.6310



33.1960, 2.3840, 0.8480



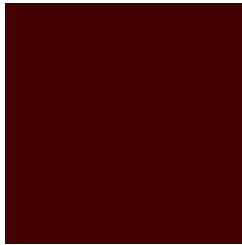
29.7150, 58.6830, 21.2990



68.2150, 134.3290, 49.0570

Previews

White Background



This preview shows how the YIQ color 20.7450, 40.8030, 14.9390 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

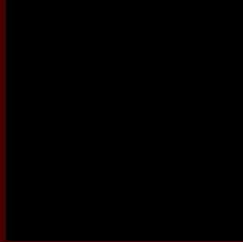
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.7450, 40.8030, 14.9390

Background



This preview shows how black text looks on a background with the YIQ color 20.7450, 40.8030, 14.9390.



This preview shows how white text looks on a background with the YIQ color 20.7450, 40.8030,

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

20.7450, 40.8030, 14.9390

Protanopia

33.2320, 10.7300, -7.2380

Deuteranopia

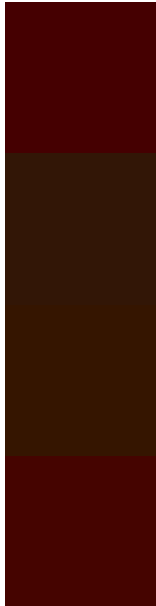
32.5270, 17.1490, -7.9310



Tritanopia

24.1530, 39.4740, 11.4900

Trichromacy



Original Color

20.7450, 40.8030, 14.9390

Protanomaly

28.5480, 21.8240, 0.9600

Deuteranomaly

28.1740, 25.8130, 0.2530

Tritanomaly

22.9790, 40.0240, 12.5360

Monochromacy



Original Color

20.7450, 40.8030, 14.9390

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

20.5890, 14.5790, 5.6110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.7450, 40.8030, 14.9390 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(69, 0, 1)` looks like.

```
.text, #text, p{  
    color:rgb(69, 0, 1)  
}
```

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(69, 0, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 0, 1) }
```

Border

The CSS property to change the border of an element to YIQ 20.7450, 40.8030, 14.9390 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(69, 0, 1) }
```


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

```
.border{ border-color:rgb(69, 0, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 0, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 0, 1); box-shadow:4px  
4px 4px 4px rgb(69, 0, 1) }
```

Background

The CSS property to change the background color of an element to YIQ 20.7450, 40.8030, 14.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 0, 1) }
```

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

```
.background{ background-color: rgb(69, 0,  
1) }
```

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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