

Converting Colors

YIQ(45.4590, 20.9970, 10.4450)

Have a look what the booklet for
YIQ(45.4590, 20.9970, 10.4450)
contains.

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Color

**YIQ(45.4590, 20.9970,
10.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	482128
RGB	72, 33, 40
RGB Percent	28%, 13%, 16%
CMY	0.7175, 0.8706, 0.8431
CMYK	0.00, 0.54, 0.44, 0.72
HSL	349°, 37%, 21%
HSV	349°, 54%, 28%
XYZ	3.6011, 2.6188, 2.3249
YIQ	45.4590, 20.9970, 10.4450

Conversions

Conversions Part 2

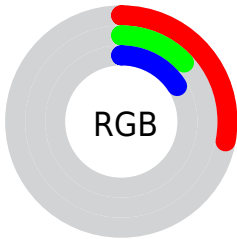
Format	Color
R_{YB}	72, 33, 40
Decimal	4727080
CIE Lab	18.45, 19.45, 3.91
CIE LCh	18, 19.840, 11.357
Yxy	2.6188, 0.4214, 0.3065
Android (android.graphics.Color)	4282917160 (0xFF482128)
YUV	45.4590, -2.6913, 23.2765
Hunter-Lab	16.1827, 11.4011, 2.8099




Details

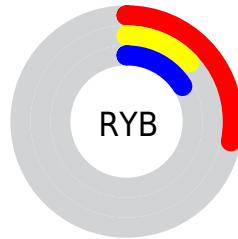
The YIQ color **45.4590, 20.9970, 10.4450** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **59.5410, -20.9970, -10.4450**, and the grayscale version is **45.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **92.5410, 23.7020, 10.9820**, and **7.8880, 15.1750, 5.8230** is the 20% darker color. If you saturate the color by 10%, you get **40.6660, 24.8480, 12.2400**, and if you desaturate by 10%, it is **50.2520, 17.1460, 8.6500**.

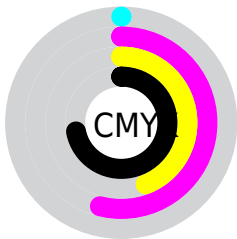
Distribution







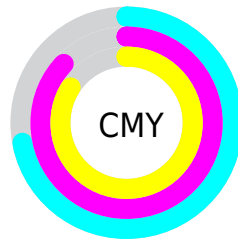
-  Red (28%)
-  Green (13%)
-  Blue (16%)






-  Red (28%)
-  Yellow (13%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (54%)
-  Yellow (44%)
-  Black (72%)



-  Cyan (72%)
-  Magenta (87%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.4590, 20.9970, 10.4450 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 45.4590, 20.9970, 10.4450 by changing the saturation by 10% instead.

■ 45.4590, 20.9970,
10.4450

■ 45.4590, 20.9970,
10.4450

■ 255.0000, -0.0000,
-0.0000

■ 23.6760, 18.8880,
10.1200

■ 91.9540, 23.9770,
11.5050

■ 7.8880, 15.1750,
5.8230

■ 117.4380, 25.4900,
11.6180

■ 0.0000, 0.0000,
0.0000

■ 143.0360, 26.6820,
12.0420

■ 169.7480, 27.5530,
12.7770

■ 197.0470, 28.1490,
12.9890

■ 223.4380, 25.4900,

11.6180

243.1800, 8.4810,
5.9930

45.4590, 20.9970,
10.4450

45.4590, 20.9970,
10.4450

40.6660, 24.8480,
12.2400

50.2520, 17.1460,
8.6500

35.8730, 28.6990,
14.0350

55.0450, 13.2950,
6.8550

30.4930, 32.8250,
16.3530

60.4250, 9.1690,
4.5370

25.7000, 36.6760,
18.1480

65.2180, 5.3180,
2.7420

23.0100, 38.7390,
19.3070

70.0110, 1.4670,
0.9470

■ 74.6900, -2.0630,
-1.1590

■ 79.4830, -5.9140,
-2.9540

■ 84.8630, -10.0400,
-5.2720

■ 89.6560, -13.8910,
-7.0670

Harmonies

Analogous

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



46.1470, 13.2480, 13.2160



45.4590, 20.9970, 10.4450



45.1400, 23.1530, 4.4090

Triad

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



45.4590, 20.9970, 10.4450



41.8390, -1.4650, -12.0010



36.9710, -36.5870, -3.2350

Complementary

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



45.4590, 20.9970, 10.4450



59.5410, -20.9970, -10.4450

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.



37.2330, -34.5690, -6.7690



45.4590, 20.9970, 10.4450



37.8030, -18.9790, -13.9790

Square

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



45.4590, 20.9970, 10.4450



43.1780, 10.8220, -8.9060



36.2240, -30.3500, -11.6460



44.0060, -17.3320, 5.7400

Rectangle

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



45.4590, 20.9970, 10.4450



44.3090, 20.9990, -0.6090



36.2240, -30.3500, -11.6460



37.3300, -36.2200, -4.3800

Sweetspot

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



45.4590, 20.9970, 10.4450



83.8270, 7.9770, 4.1130



47.0140, 6.5530, 18.9130



41.9190, 4.7220, 2.5300



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



45.4590, 20.9970, 10.4450



52.4930, 32.8250, 16.3530



51.7050, 19.9440, 1.9920



33.3100, 2.0630, 1.1590



31.6530, 53.2260, 26.5860



72.5470, 122.1310, 60.8750

Inverse Universe

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



45.4590, 20.9970, 10.4450



52.4930, 32.8250, 16.3530



53.2950, -19.9440, -1.9920



33.3100, 2.0630, 1.1590



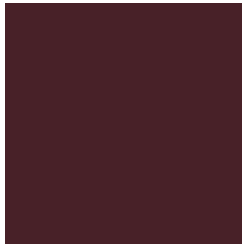
31.6530, 53.2260, 26.5860



72.5470, 122.1310, 60.8750

Previews

White Background



This preview shows how the YIQ color 45.4590, 20.9970, 10.4450 looks on a white background.

Color Contrast Check

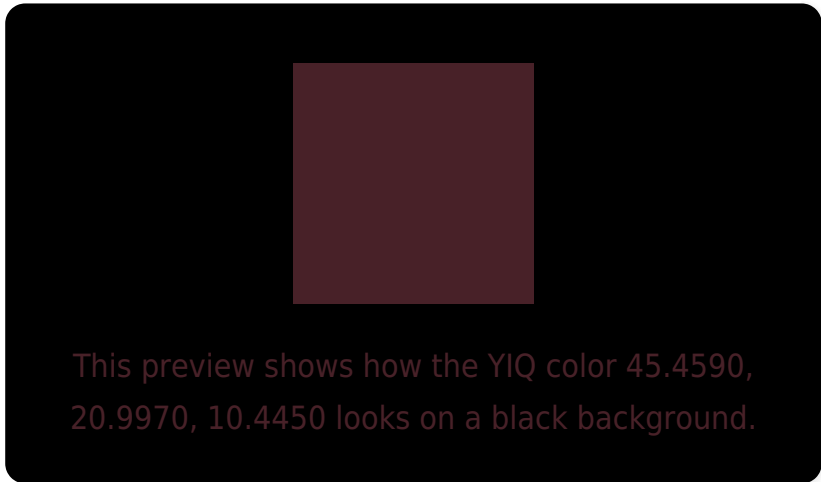
Large Text (above 18pt) WCAG AA ✓ Pass

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

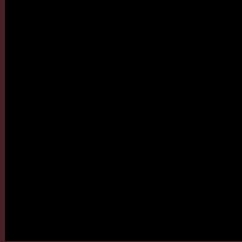
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.4590, 20.9970, 10.4450

Background



This preview shows how black text looks on a background with the YIQ color 45.4590, 20.9970, 10.4450.



This preview shows how white text looks on a background with the YIQ color 45.4590, 20.9970,

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

45.4590, 20.9970, 10.4450

Protanopia

45.5270, -0.0460, 0.8340

Deuteranopia

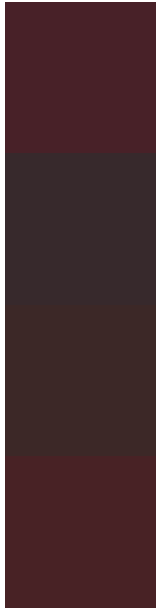
46.0070, 7.2900, 0.0420



Tritanopia

45.5900, 22.0060, 8.6780

Trichromacy



Original Color

45.4590, 20.9970, 10.4450

Protanomaly

45.5280, 7.3810, 3.9010

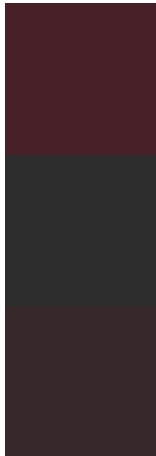
Deuteranomaly

45.8660, 12.2410, 3.9290

Tritanomaly

45.7040, 21.6850, 8.9890

Monochromacy



Original Color

45.4590, 20.9970, 10.4450

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.4140, 7.7020, 3.5900

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.4590, 20.9970, 10.4450 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(72, 33, 40)` looks like.

```
.text, #text, p{  
    color:rgb(72, 33, 40)  
}
```

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(72, 33, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 33, 40) }
```

Border

The CSS property to change the border of an element to YIQ 45.4590, 20.9970, 10.4450 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(72, 33, 40) }
```


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

```
.border{ border-color:rgb(72, 33, 40) }
```

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

Here you see how a box with a 4 pixel rgb(72, 33, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 33, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 33, 40);  
box-shadow:4px 4px 4px 4px rgb(72, 33, 40)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.4590, 20.9970, 10.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 33, 40) }
```

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

```
.background{ background-color: rgb(72, 33,  
40) }
```

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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