

Converting Colors

YIQ(44.4580, 4.4020, -2.6860)

Have a look what the booklet for
YIQ(44.4580, 4.4020, -2.6860)
contains.

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Color

**YIQ(44.4580, 4.4020,
-2.6860)**

Conversions

Conversions Part 1

Format	Color
Hex	2F2D23
RGB	47, 45, 35
RGB Percent	18%, 18%, 14%
CMY	0.8157, 0.8235, 0.8627
CMYK	0.00, 0.04, 0.26, 0.82
HSL	50°, 15%, 16%
HSV	50°, 26%, 18%
XYZ	2.4141, 2.6024, 1.9657
YIQ	44.4580, 4.4020, -2.6860

Conversions

Conversions Part 2

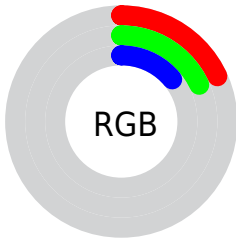
Format	Color
R_{YB}	37, 47, 35
Decimal	3091747
CIE Lab	18.38, -1.20, 6.80
CIE LCh	18, 6.906, 99.975
Yxy	2.6024, 0.3457, 0.3727
Android (android.graphics.Color)	4281281827 (0xFF2F2D23)
YUV	44.4580, -4.6628, 2.2293
Hunter-Lab	16.1320, -1.5192, 4.0679

Details

The YIQ color **44.4580, 4.4020, -2.6860** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **37.5420, -4.4020, 2.6860**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.2300, 5.0440, -3.3080**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **43.3010, 6.2820, -3.7180**, and if you desaturate by 10%, it is **45.6150, 2.5220, -1.6540**.

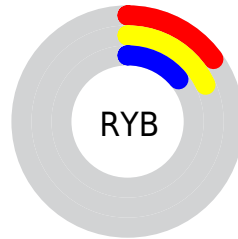
Distribution



Red (18%)

Green (18%)

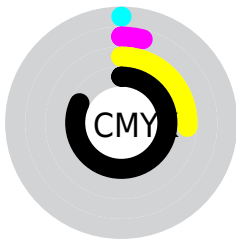
Blue (14%)



Red (15%)

Yellow (18%)

Blue (14%)

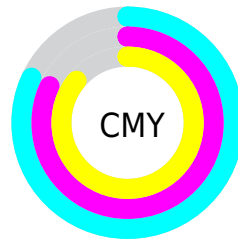


Cyan (0%)

Magenta (4%)

Yellow (26%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 44.4580, 4.4020, -2.6860 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 44.4580, 4.4020, -2.6860 by changing the saturation by 10% instead.

■ 44.4580, 4.4020,
-2.6860

■ 44.4580, 4.4020,
-2.6860

■ 255.0000, -0.0000,
-0.0000

■ 23.7570, 4.9980,
-2.4740

■ 90.2300, 5.0440,
-3.3080

■ 0.0000, 0.0000,
0.0000

■ 114.5290, 5.6400,
-3.0960

■ 140.1160, 5.3650,
-3.6190

■ 166.4150, 5.9610,
-3.4070

■ 193.4150, 5.9610,
-3.4070

■ 221.4150, 5.9610,

-3.4070

■ 250.3010, 6.2820,
-3.7180

■ 44.4580, 4.4020,
-2.6860

■ 44.4580, 4.4020,
-2.6860

■ 43.3010, 6.2820,
-3.7180

■ 45.6150, 2.5220,
-1.6540

■ 42.2580, 7.8410,
-4.4390

■ 46.6580, 0.9630,
-0.9330

■ 41.6880, 9.4460,
-5.9940

■ 47.2280, -0.6420,
0.6220

■ 40.5310, 11.3260,
-7.0260

■ 48.3850, -2.5220,
1.6540

■ 39.4880, 12.8850,
-7.7470

■ 49.5420, -4.4020,
2.6860

■ 38.3310, 14.7650,
-8.7790

■ 50.5850, -5.9610,
3.4070

■ 37.7610, 16.3700,
-10.3340

■ 51.1550, -7.5660,
4.9620

■ 36.9460, 17.2870,
-10.4330

■ 52.3120, -9.4460,
5.9940

■ 53.3550, -11.0050,
6.7150

Harmonies

Analogous

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



44.8930, 7.6110, -0.2690



44.4580, 4.4020, -2.6860



43.4790, -0.0910, -3.8590

Triad

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



44.4580, 4.4020, -2.6860



42.9710, -10.2240, -1.9360



45.9730, 4.6300, 4.1980

Complementary

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



44.4580, 4.4020, -2.6860



37.5420, -4.4020, 2.6860

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.



45.5210, 0.0910, 3.8590



44.4580, 4.4020, -2.6860



43.6230, -9.1240, 0.1560

Square

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



44.4580, 4.4020, -2.6860



42.9880, -8.8940, -4.0140



44.9440, -5.5940, 2.2620



45.4140, 7.7020, 3.5900

Rectangle

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



44.4580, 4.4020, -2.6860



43.5110, -3.1170, -4.0850



44.9440, -5.5940, 2.2620



45.6030, 2.7960, 4.3960

Sweetspot

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



44.4580, 4.4020, -2.6860



59.8430, 1.8800, -1.0320



38.8160, 6.5100, 3.1660



30.0710, 1.2380, -0.4100



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.



44.4580, 4.4020, -2.6860



57.0730, 6.9240, -4.3400



44.4360, 1.4680, -4.5800



22.7720, 0.6420, -0.6220



68.2770, 32.0520, -19.2120



168.4720, 78.5940, -47.7260

Inverse Universe

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



37.5420, -4.4020, 2.6860



45.9270, -6.9240, 4.3400



37.5640, -1.4680, 4.5800



21.2280, -0.6420, 0.6220



18.1360, -31.7770, 19.7350



45.5280, -78.5940, 47.7260

Previews

White Background



This preview shows how the YIQ color 44.4580, 4.4020, -2.6860 looks on a white background.

Color Contrast Check

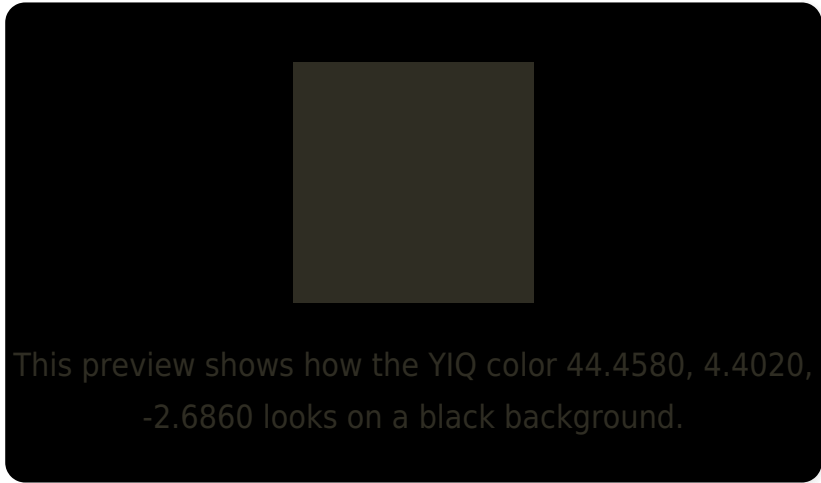
Large Text (above 18pt) WCAG AA ✓ Pass

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

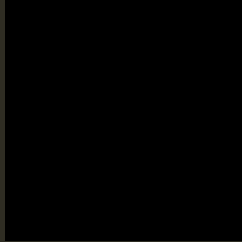
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 44.4580, 4.4020, -2.6860

Background



This preview shows how black text looks on a background with the YIQ color 44.4580, 4.4020, -2.6860.



This preview shows how white text looks on a background with the YIQ color 44.4580, 4.4020,

-2.6860.

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

44.4580, 4.4020, -2.6860

Protanopia

44.7570, 4.9980, -2.4740

Deuteranopia

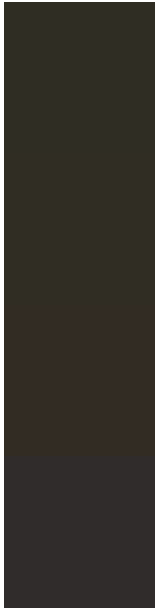
44.7790, 7.9320, -0.5800



Tritanopia

44.9510, 1.6960, 2.3040

Trichromacy



Original Color

44.4580, 4.4020, -2.6860

Protanomaly

44.7570, 4.9980, -2.4740

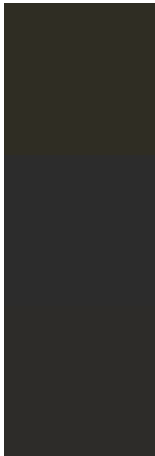
Deuteranomaly

44.7680, 6.4650, -1.5270

Tritanomaly

45.0820, 2.7050, 0.5370

Monochromacy



Original Color

44.4580, 4.4020, -2.6860

Achromatopsia

44.0000, -0.0000, -0.0000

Achromatomaly

43.9570, 1.5590, -0.7210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 44.4580, 4.4020, -2.6860 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(47, 45, 35)` looks like.

```
.text, #text, p{  
    color:rgb(47, 45, 35)  
}
```

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(47, 45, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 45, 35) }
```

Border

The CSS property to change the border of an element to YIQ 44.4580, 4.4020, -2.6860 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(47, 45, 35) }
```


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

```
.border{ border-color:rgb(47, 45, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 45, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 45, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 45, 35);  
box-shadow:4px 4px 4px 4px rgb(47, 45, 35)  
}
```

Background

The CSS property to change the background color of an element to YIQ 44.4580, 4.4020, -2.6860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 45, 35) }
```

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

```
.background{ background-color: rgb(47, 45,  
35) }
```

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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