

Converting Colors

YIQ(28.7630, -21.5020, -6.7980)

Have a look what the booklet for
YIQ(28.7630, -21.5020, -6.7980)
contains.

YIQ(28.7630, -21.5020, -6.7980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(28.7630, -21.5020,
-6.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	042729
RGB	4, 39, 41
RGB Percent	2%, 15%, 16%
CMY	0.9844, 0.8470, 0.8393
CMYK	0.90, 0.05, 0.00, 0.84
HSL	183°, 82%, 9%
HSV	183°, 90%, 16%
XYZ	1.1757, 1.6376, 2.3499
YIQ	28.7630, -21.5020, -6.7980

Conversions

Conversions Part 2

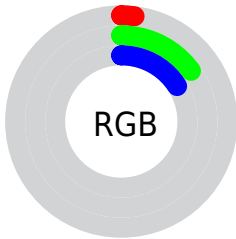
Format	Color
R_{YB}	4, 22, 41
Decimal	272169
CIE _{Lab}	13.46, -11.34, -4.89
CIE _{LCh}	13, 12.350, 203.351
Yxy	1.6376, 0.2277, 0.3172
Android (android.graphics.Color)	4278462249 (0xFF042729)
YUV	28.7630, 6.0328, -21.7172
Hunter-Lab	12.7970, -5.9958, -1.9296

Details

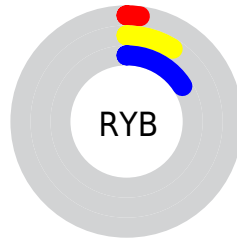
The YIQ color **28.7630, -21.5020, -6.7980** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16.2370, 21.5020, 6.7980**, and the grayscale version is **29.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **74.6600, -19.7140, -6.1620**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **27.5670, -23.8860, -7.6460**, and if you desaturate by 10%, it is **29.9590, -19.1180, -5.9500**.

Distribution



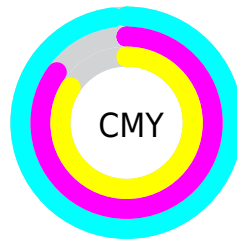
- Red (2%)
- Green (15%)
- Blue (16%)



- Red (2%)
- Yellow (9%)
- Blue (16%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (84%)



- Cyan (98%)
- Magenta (85%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.7630, -21.5020, -6.7980 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 28.7630, -21.5020, -6.7980 by changing the saturation by 10% instead.

■ 28.7630, -21.5020,
-6.7980

■ 28.7630, -21.5020,
-6.7980

■ 249.0200,
-11.9200, -4.2400

■ 13.5470, -11.9660,
-3.4060

■ 74.6600, -19.7140,
-6.1620

■ 0.0000, 0.0000,
0.0000

■ 98.3610, -20.3100,
-6.3740


■ 124.0620,
-20.9060, -6.5860


■ 150.0620,
-20.9060, -6.5860


■ 176.7630,
-21.5020, -6.7980


■ 204.4640,


-22.0980, -7.0100


 232.4640,
-22.0980, -7.0100


 28.7630, -21.5020,
-6.7980


 28.7630, -21.5020,
-6.7980


 27.5670, -23.8860,
-7.6460

 29.9590, -19.1180,
-5.9500

 31.1550, -16.7340,
-5.1020

 32.9380, -14.6250,
-4.7770

 34.1340, -12.2410,
-3.9290

 35.3300, -9.8570,
-3.0810

■ 36.8250, -6.8770,
-2.0210

■ 38.6080, -4.7680,
-1.6960

■ 39.8040, -2.3840,
-0.8480

■ 41.0000, 0.0000,
-0.0000

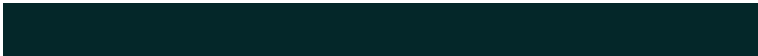
Harmonies

Analogous

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



30.4280, -13.2490, -7.6890



28.7630, -21.5020, -6.7980



29.5720, -22.2820, -3.6740

Triad

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



28.7630, -21.5020, -6.7980



35.8960, 3.5290, 7.6330



33.8670, 10.5000, -3.0680

Complementary

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



28.7630, -21.5020, -6.7980



16.2370, 21.5020, 6.7980

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.



34.3560, 13.6170, 1.0170



28.7630, -21.5020, -6.7980



35.6040, 10.2230, 7.4630

Square

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



28.7630, -21.5020, -6.7980



34.9380, -5.4570, 5.2870



34.8770, 13.7080, 4.8760



33.0510, 3.9900, -6.2340

Rectangle

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



28.7630, -21.5020, -6.7980



31.7190, -18.2020, -0.5220



34.8770, 13.7080, 4.8760



33.9920, 11.6460, -1.8100

Sweetspot

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



28.7630, -21.5020, -6.7980



48.9280, -8.6650, -2.6570



25.9470, -10.8170, -18.7290



25.3090, -5.3640, -1.9080



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



28.7630, -21.5020, -6.7980



36.0930, -31.3590, -9.8790



18.1970, -16.5520, 2.6160



19.4020, -1.1920, -0.4240



56.5360, -48.9640, -15.7160



141.5680, -123.0520, -38.6680

Inverse Universe

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



19.0530, 10.8170, 18.7290



21.9600, 15.8130, 27.3090



26.8030, 16.5520, -2.6160



18.8260, 0.5500, 1.0460



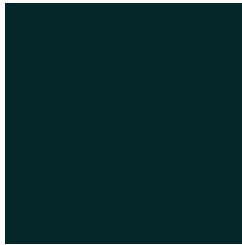
34.2360, 24.3840, 42.6880



86.1880, 62.1520, 107.1440

Previews

White Background



This preview shows how the YIQ color 28.7630, -21.5020, -6.7980 looks on a white background.

Color Contrast Check

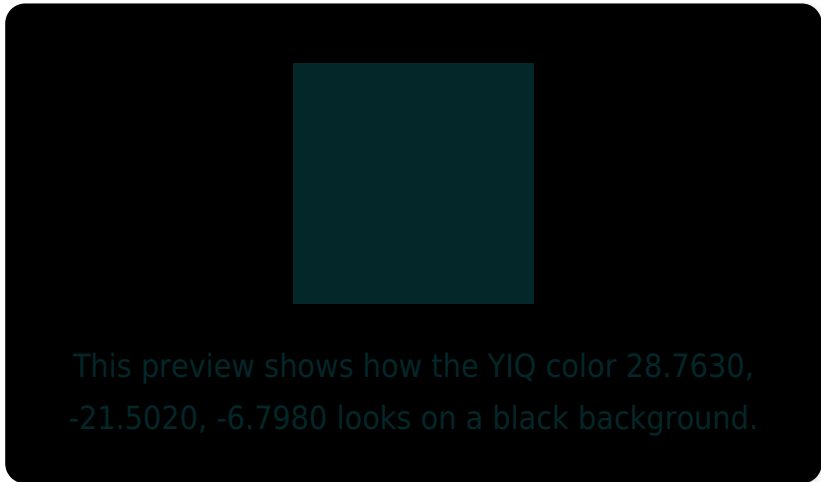
Large Text (above 18pt) WCAG AA ✓ Pass

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

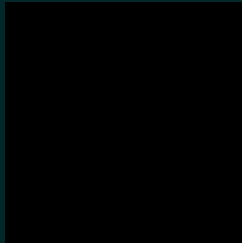
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

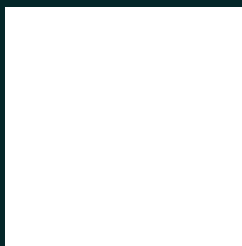
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 28.7630, -21.5020, -6.7980

Background



This preview shows how black text looks on a background with the YIQ color 28.7630, -21.5020, -6.7980.



This preview shows how white text looks on a background with the YIQ color 28.7630, -21.5020,

-6.7980.

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

28.7630, -21.5020, -6.7980

Protanopia

35.3420, -0.9630, 0.9330

Deuteranopia

35.2110, -1.9720, 2.7000



Tritanopia

29.4750, -20.6310, -6.0630

Trichromacy



Original Color

28.7630, -21.5020, -6.7980

Protanomaly

32.7540, -8.1150, -1.6110

Deuteranomaly

33.0960, -9.0780, -0.6780

Tritanomaly

29.1760, -21.2270, -6.2750

Monochromacy



Original Color

28.7630, -21.5020, -6.7980

Achromatopsia

29.0000, -0.0000, 0.0000

Achromatomaly

29.1130, -7.7480, -2.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.7630, -21.5020, -6.7980 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(4, 39, 41)` looks like.

```
.text, #text, p{  
    color:rgb(4, 39, 41)  
}
```

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(4, 39, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 39, 41) }
```

Border

The CSS property to change the border of an element to YIQ 28.7630, -21.5020, -6.7980 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(4, 39, 41) }
```


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

```
.border{ border-color:rgb(4, 39, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 39, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 39, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 39, 41); box-shadow:4px  
4px 4px 4px rgb(4, 39, 41) }
```

Background

The CSS property to change the background color of an element to YIQ 28.7630, -21.5020, -6.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 39, 41) }
```

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

```
.background{ background-color: rgb(4, 39,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor