

Converting Colors

YIQ(28.6720, -19.9880,
-12.2120)

Have a look what the booklet for
YIQ(28.6720, -19.9880, -12.2120)
contains.

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Color

**YIQ(28.6720, -19.9880,
-12.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	022A1E
RGB	2, 42, 30
RGB Percent	1%, 16%, 12%
CMY	0.9923, 0.8352, 0.8824
CMYK	0.95, 0.00, 0.29, 0.84
HSL	162°, 91%, 9%
HSV	162°, 95%, 16%
XYZ	1.0874, 1.7635, 1.5102
YIQ	28.6720, -19.9880, -12.2120

Conversions

Conversions Part 2

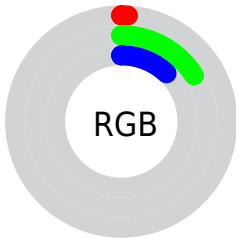
Format	Color
R_{YB}	2, 26, 42
Decimal	141854
CIE _{Lab}	14.19, -17.48, 4.01
CIE _{LCh}	14, 17.934, 167.095
Y _{xy}	1.7635, 0.2493, 0.4044
Android (android.graphics.Color)	4278331934 (0xFF022A1E)
YUV	28.6720, 0.6547, -23.3913
Hunter-Lab	13.2797, -8.6233, 2.5533

Details

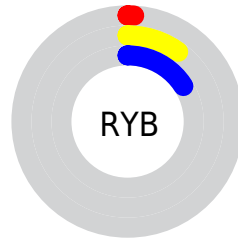
The YIQ color **28.6720, -19.9880, -12.2120** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15.3280, 19.9880, 12.2120**, and the grayscale version is **29.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **74.7430, -18.7500, -12.6220**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **27.9600, -20.8590, -12.9470**, and if you desaturate by 10%, it is **29.9820, -17.9250, -11.0530**.

Distribution



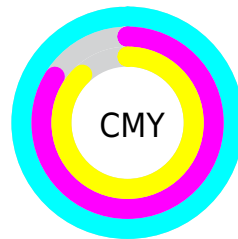
- Red (1%)
- Green (16%)
- Blue (12%)



- Red (1%)
- Yellow (10%)
- Blue (16%)



- Cyan (95%)
- Magenta (0%)
- Yellow (29%)
- Black (84%)



- Cyan (99%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.6720, -19.9880, -12.2120 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 28.6720, -19.9880, -12.2120 by changing the saturation by 10% instead.

■ 28.6720, -19.9880,
-12.2120

■ 28.6720, -19.9880,
-12.2120

■ 248.4220,
-13.1120, -4.6640

■ 14.0710, -7.9300,
-10.4740

■ 74.7430, -18.7500,
-12.6220

■ 0.0000, 0.0000,
0.0000

■ 98.6290, -18.4290,
-12.9330


■ 124.2160,
-18.7040, -13.4560


■ 149.9170,
-19.3000, -13.6680


■ 177.2050,
-20.1710, -14.4030


■ 204.2050,


-20.1710, -14.4030


 232.7920,
-20.4460, -14.9260


 28.6720, -19.9880,
-12.2120


 28.6720, -19.9880,
-12.2120


 27.9600, -20.8590,
-12.9470

 29.9820, -17.9250,
-11.0530

 31.4060, -16.1830,
-9.5830

 33.0150, -13.5240,
-8.2120

 34.3250, -11.4610,
-7.0530

 35.6350, -9.3980,
-5.8940

■ 37.0590, -7.6560,
-4.4240

■ 38.3690, -5.5930,
-3.2650

■ 39.9780, -2.9340,
-1.8940

■ 41.2880, -0.8710,
-0.7350

Harmonies

Analogous

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



32.1100, -3.6660, -10.6580



28.6720, -19.9880, -12.2120



29.5560, -25.3530, -8.5930

Triad

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



28.6720, -19.9880, -12.2120



35.7570, -12.1970, 6.2910



35.8190, 19.6230, 2.3030

Complementary

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



28.6720, -19.9880, -12.2120



15.3280, 19.9880, 12.2120

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.



36.5080, 19.3010, 8.1410



28.6720, -19.9880, -12.2120



37.4060, 2.1530, 10.5450

Square

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



28.6720, -19.9880, -12.2120



29.7330, -29.9850, -1.7370



36.7940, 12.7440, 11.3360



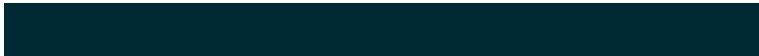
34.7490, 16.6440, -4.2840

Rectangle

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



28.6720, -19.9880, -12.2120



30.4680, -27.9210, -6.1050



36.7940, 12.7440, 11.3360



35.6990, 20.0810, 5.0170

Sweetspot

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



28.6720, -19.9880, -12.2120



48.6460, -7.9310, -4.9470



29.3670, -3.2520, -18.1640



24.6680, -4.9970, -3.0530



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

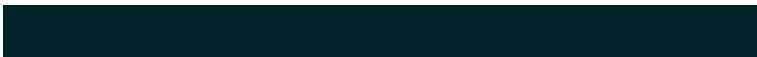
The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.6720, -19.9880, -12.2120



35.9160, -26.7270, -16.7350



25.9310, -21.9150, -4.8190



19.4020, -1.1920, -0.4240



56.0340, -42.0390, -25.5830



141.3160, -105.8080, -64.8480

Inverse Universe

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



15.3280, 19.9880, 12.2120



17.9700, 27.0480, 16.4240



18.0690, 21.9150, 4.8190



18.7120, 0.8710, 0.7350



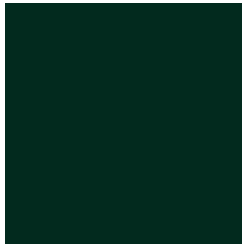
27.9660, 42.0390, 25.5830



70.6840, 105.8080, 64.8480

Previews

White Background



This preview shows how the YIQ color 28.6720, -19.9880, -12.2120 looks on a white background.

Color Contrast Check

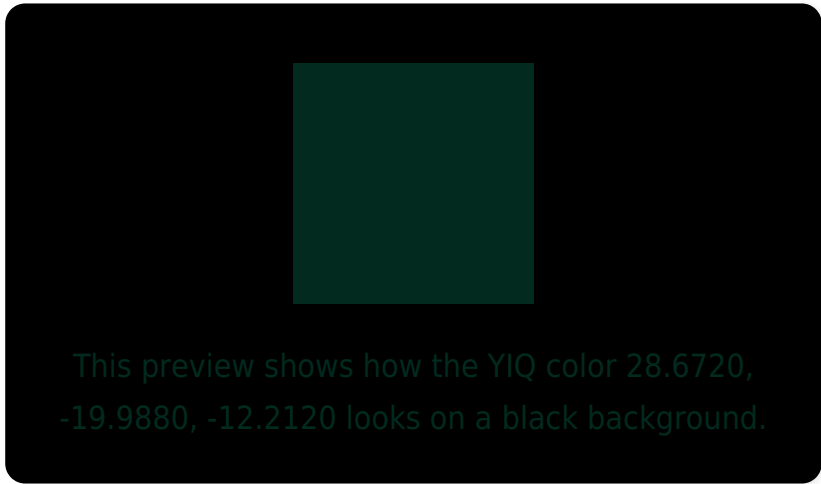
Large Text (above 18pt) WCAG AA ✓ Pass

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

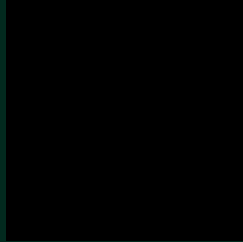
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 28.6720, -19.9880, -12.2120

Background



This preview shows how black text looks on a background with the YIQ color 28.6720, -19.9880, -12.2120.



This preview shows how white text looks on a background with the YIQ color 28.6720, -19.9880,

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

28.6720, -19.9880, -12.2120

Protanopia

36.4580, 4.4020, -2.6860

Deuteranopia

36.6370, 5.4560, 0.2400



Tritanopia

32.6820, -16.7800, -4.2680

Trichromacy



Original Color

28.6720, -19.9880, -12.2120

Protanomaly

33.8590, -4.2170, -6.1770

Deuteranomaly

33.9130, -4.3090, -4.5090

Tritanomaly

31.5030, -17.8340, -7.1940

Monochromacy



Original Color

28.6720, -19.9880, -12.2120

Achromatopsia

29.0000, -0.0000, 0.0000

Achromatomaly

28.9450, -7.3350, -4.7350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.6720, -19.9880, -12.2120 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(2, 42, 30)` looks like.

```
.text, #text, p{  
    color:rgb(2, 42, 30)  
}
```

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(2, 42, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 42, 30) }
```

Border

The CSS property to change the border of an element to YIQ 28.6720, -19.9880, -12.2120 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(2, 42, 30) }
```


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

```
.border{ border-color:rgb(2, 42, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 42, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 42, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 42, 30); box-shadow:4px  
4px 4px 4px rgb(2, 42, 30) }
```

Background

The CSS property to change the background color of an element to YIQ 28.6720, -19.9880, -12.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 42, 30) }
```

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

```
.background{ background-color: rgb(2, 42,  
30) }
```

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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