

Converting Colors

YIQ(28.1650, 12.8370, 4.1410)

Have a look what the booklet for
YIQ(28.1650, 12.8370, 4.1410)
contains.

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Color

**YIQ(28.1650, 12.8370,
4.1410)**

Conversions

Conversions Part 1

Format	Color
Hex	2B1615
RGB	43, 22, 21
RGB Percent	17%, 9%, 8%
CMY	0.8313, 0.9138, 0.9176
CMYK	0.00, 0.49, 0.51, 0.83
HSL	3°, 34%, 13%
HSV	3°, 51%, 17%
XYZ	1.4190, 1.1415, 0.8557
YIQ	28.1650, 12.8370, 4.1410

Conversions

Conversions Part 2

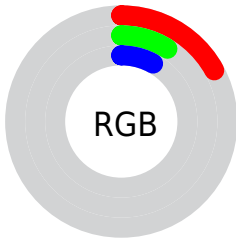
Format	Color
R_{YB}	43, 22, 21
Decimal	2823701
CIE _{Lab}	10.12, 10.54, 5.21
CIE _{LCh}	10, 11.753, 26.302
Yxy	1.1415, 0.4154, 0.3342
Android (android.graphics.Color)	4281013781 (0xFF2B1615)
YUV	28.1650, -3.5323, 13.0103
Hunter-Lab	10.6843, 5.0096, 2.7307

Details

The YIQ color **28.1650, 12.8370, 4.1410** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **35.8350, -12.8370, -4.1410**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.2470, 15.5420, 4.6780**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **25.3610, 15.2210, 4.9890**, and if you desaturate by 10%, it is **30.9690, 10.4530, 3.2930**.

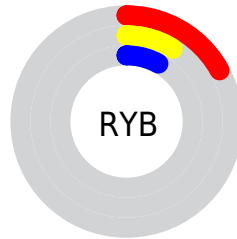
Distribution



Red (17%)

Green (9%)

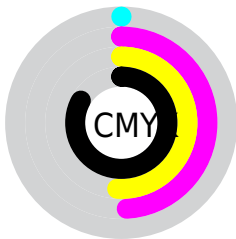
Blue (8%)



Red (17%)

Yellow (9%)

Blue (8%)

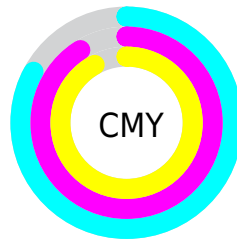


Cyan (0%)

Magenta (49%)

Yellow (51%)

Black (83%)



Cyan (83%)

Magenta (91%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.1650, 12.8370, 4.1410 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 28.1650, 12.8370, 4.1410 by changing the saturation by 10% instead.

■ 28.1650, 12.8370,
4.1410

■ 28.1650, 12.8370,
4.1410

■ 249.8650, 4.8140,
0.8620

■ 6.8770, 13.7080,
4.8760

■ 72.2470, 15.5420,
4.6780

■ 0.0000, 0.0000,
0.0000

■ 95.8450, 16.7340,
5.1020

■ 120.8450, 16.7340,
5.1020

■ 146.4430, 17.9260,
5.5260

■ 173.3290, 18.2470,
5.2150

■ 200.9270, 19.4390,

5.6390

■ 228.9270, 19.4390,
5.6390

■ 28.1650, 12.8370,
4.1410

■ 28.1650, 12.8370,
4.1410

■ 25.3610, 15.2210,
4.9890

■ 30.9690, 10.4530,
3.2930

■ 22.4430, 17.9260,
5.5260

■ 33.8870, 7.7480,
2.7560

■ 19.6390, 20.3100,
6.3740

■ 36.6910, 5.3640,
1.9080

■ 16.8350, 22.6940,
7.2220

■ 39.4950, 2.9800,
1.0600

■ 14.0310, 25.0780,
8.0700

■ 43.0000, -0.0000,
-0.0000

■ 45.8040, -2.3840,
-0.8480

■ 48.6080, -4.7680,
-1.6960

■ 51.4120, -7.1520,
-2.5440

■ 54.3300, -9.8570,
-3.0810

Harmonies

Analogous

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



28.7780, 9.6730, 6.4170



28.1650, 12.8370, 4.1410



27.5300, 13.0670, -0.0290

Triad

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



28.1650, 12.8370, 4.1410



25.3320, -4.1710, -7.0110



26.1110, -13.4340, 1.1740

Complementary

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



28.1650, 12.8370, 4.1410



35.8350, -12.8370, -4.1410

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.



23.4690, -20.4940, -3.0380



28.1650, 12.8370, 4.1410



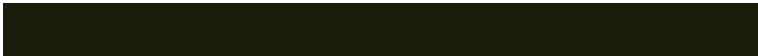
23.5420, -13.5700, -7.3780

Square

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



28.1650, 12.8370, 4.1410



26.0510, 3.9900, -6.2340



22.6600, -19.7140, -6.1620



28.1230, -4.5400, 5.1880

Rectangle

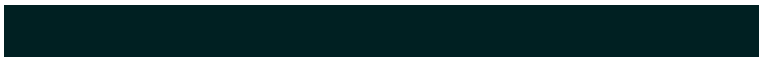
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.1650, 12.8370, 4.1410



27.3510, 12.0130, -2.9550



22.6600, -19.7140, -6.1620



25.2030, -16.6890, -0.4090

Sweetspot

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



28.1650, 12.8370, 4.1410



50.3920, 4.7680, 1.6960



29.9720, 6.3710, 11.1950



24.4950, 2.9800, 1.0600



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.



28.1650, 12.8370, 4.1410



32.7530, 19.9890, 6.6850



34.6220, 9.8120, -1.6120



18.5980, 1.1920, 0.4240



27.4640, 48.9640, 15.7160



68.6710, 123.8770, 40.2370

Inverse Universe

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



35.8350, -12.8370, -4.1410



45.2470, -19.9890, -6.6850



29.3780, -9.8120, 1.6120



19.4020, -1.1920, -0.4240



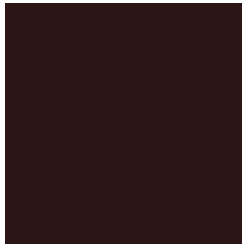
56.5360, -48.9640, -15.7160



142.7420, -123.6020, -39.7140

Previews

White Background



This preview shows how the YIQ color 28.1650, 12.8370, 4.1410 looks on a white background.

Color Contrast Check

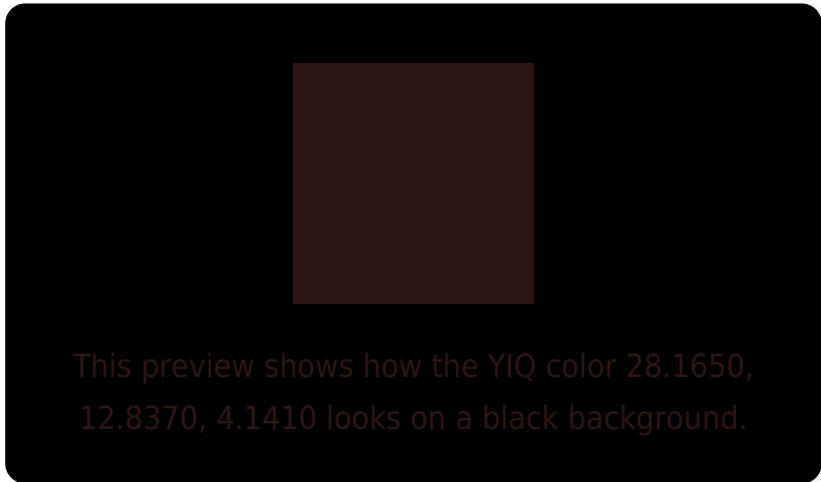
Large Text (above 18pt) WCAG AA ✓ Pass

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

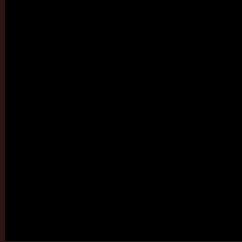
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 28.1650, 12.8370, 4.1410

Background



This preview shows how black text looks on a background with the YIQ color 28.1650, 12.8370, 4.1410.



This preview shows how white text looks on a background with the YIQ color 28.1650, 12.8370,

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

28.1650, 12.8370, 4.1410

Protanopia

28.1420, 2.4760, -0.8200

Deuteranopia

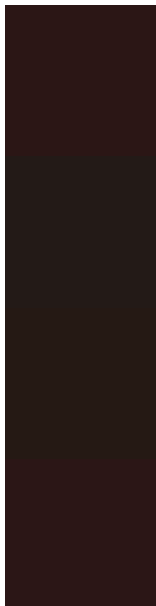
28.2950, 6.4190, -0.6930



Tritanopia

28.3930, 12.1950, 4.7630

Trichromacy



Original Color

28.1650, 12.8370, 4.1410

Protanomaly

28.3490, 6.3270, 0.9750

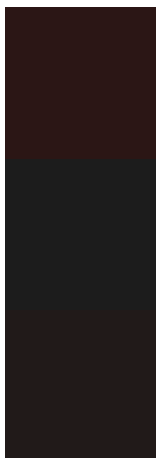
Deuteranomaly

28.0180, 8.7570, 0.9890

Tritanomaly

28.2790, 12.5160, 4.4520

Monochromacy



Original Color

28.1650, 12.8370, 4.1410

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

27.9790, 4.4930, 1.1730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.1650, 12.8370, 4.1410 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(43, 22, 21)` looks like.

```
.text, #text, p{  
    color:rgb(43, 22, 21)  
}
```

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(43, 22, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 22, 21) }
```

Border

The CSS property to change the border of an element to YIQ 28.1650, 12.8370, 4.1410 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(43, 22, 21) }
```


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

```
.border{ border-color:rgb(43, 22, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 22, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 22, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 22, 21);  
box-shadow:4px 4px 4px 4px rgb(43, 22, 21)  
}
```

Background

The CSS property to change the background color of an element to YIQ 28.1650, 12.8370, 4.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 22, 21) }
```

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

```
.background{ background-color: rgb(43, 22,  
21) }
```

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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