

Converting Colors

YIQ(42.3640, 1.9710, 2.8270)

Have a look what the booklet for
YIQ(42.3640, 1.9710, 2.8270)
contains.

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Color

YIQ(42.3640, 1.9710, 2.8270)

Conversions

Conversions Part 1

Format	Color
Hex	2E282D
RGB	46, 40, 45
RGB Percent	18%, 16%, 18%
CMY	0.8196, 0.8431, 0.8235
CMYK	0.00, 0.13, 0.02, 0.82
HSL	310°, 7%, 17%
HSV	310°, 13%, 18%
XYZ	2.3593, 2.2878, 2.8000
YIQ	42.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

Format	Color
R_{YB}	46, 40, 45
Decimal	3024941
CIE Lab	16.93, 3.91, -2.26
CIE LCh	17, 4.516, 330.026
Yxy	2.2878, 0.3168, 0.3072
Android (android.graphics.Color)	4281215021 (0xFF2E282D)
YUV	42.3640, 1.2995, 3.1888
Hunter-Lab	15.1256, 1.3728, -0.3876

Details

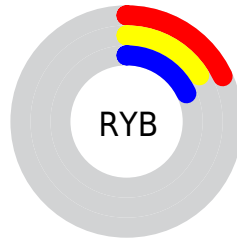
The YIQ color **42.3640, 1.9710, 2.8270** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **43.6360, -1.9710, -2.8270**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.7770, 2.2460, 3.3500**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.3150, 3.6670, 5.1310**, and if you desaturate by 10%, it is **45.4130, 0.2750, 0.5230**.

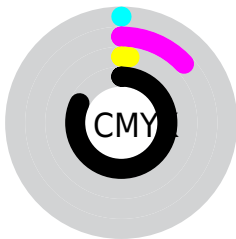
Distribution



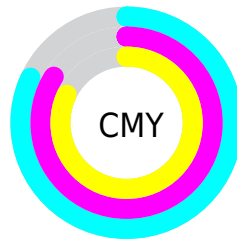
- Red (18%)
- Green (16%)
- Blue (18%)



- Red (18%)
- Yellow (16%)
- Blue (18%)



- Cyan (0%)
- Magenta (13%)
- Yellow (2%)
- Black (82%)



- Cyan (82%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.3640, 1.9710, 2.8270 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 42.3640, 1.9710, 2.8270 by changing the saturation by 10% instead.

■ 42.3640, 1.9710,
2.8270

■ 42.3640, 1.9710,
2.8270

■ 255.0000, -0.0000,
-0.0000

■ 21.9510, 1.6960,
2.3040

■ 87.7770, 2.2460,
3.3500

■ 0.0000, 0.0000,
0.0000

■ 111.7770, 2.2460,
3.3500

■ 137.7770, 2.2460,
3.3500

■ 163.7770, 2.2460,
3.3500

■ 191.0760, 2.8420,
3.5620

■ 218.1900, 2.5210,

3.8730

247.1900, 2.5210,
3.8730

42.3640, 1.9710,
2.8270

42.3640, 1.9710,
2.8270

39.3150, 3.6670,
5.1310

45.4130, 0.2750,
0.5230

36.8530, 5.0880,
6.9120

47.8750, -1.1460,
-1.2580

33.9180, 6.4630,
9.5270

50.8100, -2.5210,
-3.8730

31.4560, 7.8840,
11.3080

53.2720, -3.9420,
-5.6540

28.4070, 9.5800,
13.6120

56.3210, -5.6380,
-7.9580

■ 25.3580, 11.2760,
15.9160

■ 59.3700, -7.3340,
-10.2620

■ 23.0100, 12.3760,
18.0080

■ 61.7180, -8.4340,
-12.3540

■ 19.9610, 14.0720,
20.3120

■ 64.7670, -10.1300,
-14.6580

■ 18.0860, 15.2180,
21.5700

■ 67.2290, -11.5510,
-16.4390

Harmonies

Analogous

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



41.9830, -1.3300, 2.0780



42.3640, 1.9710, 2.8270



42.6200, 4.1260, 2.3180

Triad

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



42.3640, 1.9710, 2.8270



41.2130, 3.7140, -1.2300



41.1240, -6.2810, -1.8090

Complementary

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



42.3640, 1.9710, 2.8270



43.6360, -1.9710, -2.8270

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.



40.7820, -5.3180, -2.7420



42.3640, 1.9710, 2.8270



41.6040, 1.0550, -2.6010

Square

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



42.3640, 1.9710, 2.8270



41.6370, 5.4560, 0.2400



40.6360, -1.9710, -2.8270



41.0640, -6.0520, -0.4520

Rectangle

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



42.3640, 1.9710, 2.8270



42.6910, 5.3640, 1.9080



40.6360, -1.9710, -2.8270



41.0100, -5.9600, -2.1200

Sweetspot

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



42.3640, 1.9710, 2.8270



57.1250, 1.1460, 1.2580



40.9830, -1.3300, 2.0780



29.7120, 0.8710, 0.7350



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.



42.3640, 1.9710, 2.8270



52.9020, 3.3920, 4.6080



42.0220, 2.9340, 1.8940



21.8260, 0.5500, 1.0460



34.2210, 28.7400, 40.8360



84.2780, 70.4060, 100.7260

Inverse Universe

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



42.3640, 1.9710, 2.8270



52.9020, 3.3920, 4.6080



43.9780, -2.9340, -1.8940



21.8260, 0.5500, 1.0460



34.2210, 28.7400, 40.8360



84.2780, 70.4060, 100.7260

Previews

White Background



This preview shows how the YIQ color 42.3640, 1.9710, 2.8270 looks on a white background.

Color Contrast Check

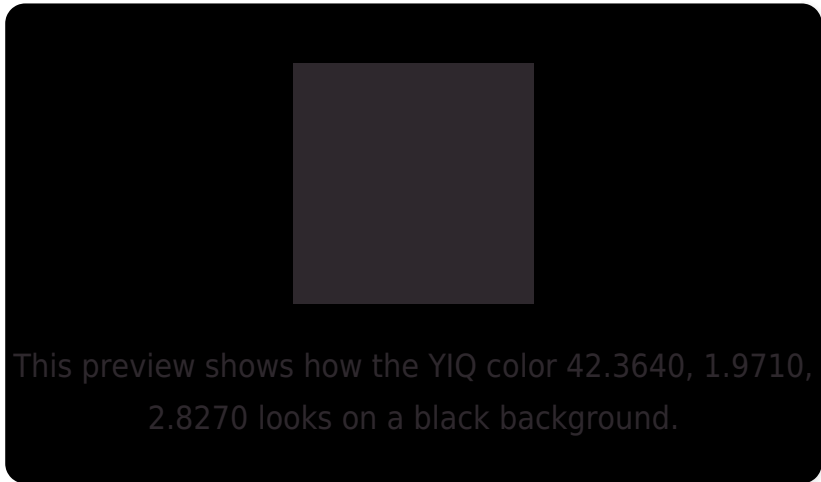
Large Text (above 18pt) WCAG AA ✓ Pass

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

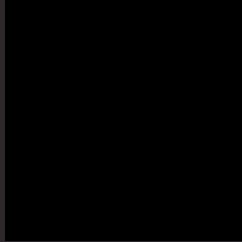
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.3640, 1.9710, 2.8270

Background



This preview shows how black text looks on a background with the YIQ color 42.3640, 1.9710, 2.8270.

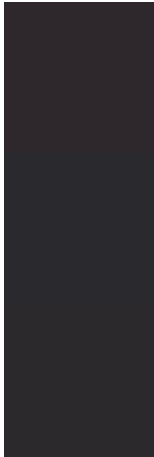


This preview shows how white text looks on a background with the YIQ color 42.3640, 1.9710, 2.8270.

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

42.3640, 1.9710, 2.8270

Protanopia

41.5700, -1.6050, 1.5550

Deuteranopia

42.3530, 0.5040, 1.8800



Tritanopia

42.1360, 2.6130, 2.2050

Trichromacy



Original Color

42.3640, 1.9710, 2.8270

Protanomaly

42.1680, -0.4130, 1.9790

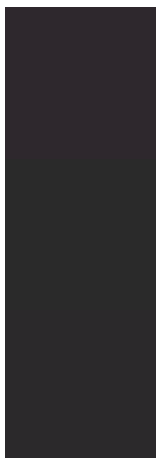
Deuteranomaly

42.6520, 1.1000, 2.0920

Tritanomaly

42.2500, 2.2920, 2.5160

Monochromacy



Original Color

42.3640, 1.9710, 2.8270

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.8260, 0.5500, 1.0460

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.3640, 1.9710, 2.8270 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(46, 40, 45)` looks like.

```
.text, #text, p{  
    color:rgb(46, 40, 45)  
}
```

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(46, 40, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 40, 45) }
```

Border

The CSS property to change the border of an element to YIQ 42.3640, 1.9710, 2.8270 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(46, 40, 45) }
```

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

```
.border{ border-color:rgb(46, 40, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 40, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 40, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 40, 45);  
box-shadow:4px 4px 4px 4px rgb(46, 40, 45)  
}
```


Background

The CSS property to change the background color of an element to YIQ 42.3640, 1.9710, 2.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 40, 45) }
```

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

```
.background{ background-color: rgb(46, 40,  
45) }
```

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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