

Converting Colors

YIQ(37.4030, -28.1550, 20.1730)

Have a look what the booklet for
YIQ(37.4030, -28.1550, 20.1730)
contains.

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Color

**YIQ(37.4030, -28.1550,
20.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	172067
RGB	23, 32, 103
RGB Percent	9%, 13%, 40%
CMY	0.9098, 0.8745, 0.5962
CMYK	0.78, 0.69, 0.00, 0.60
HSL	233°, 63%, 25%
HSV	233°, 78%, 40%
XYZ	3.3161, 2.1939, 13.0695
YIQ	37.4030, -28.1550, 20.1730

Conversions

Conversions Part 2

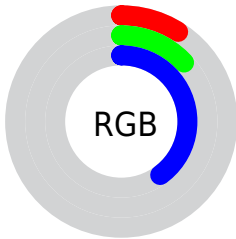
Format	Color
R_{YB}	23, 31, 103
Decimal	1515623
CIE _{Lab}	16.47, 23.41, -42.67
CIE _{LCh}	16, 48.668, 298.750
Yxy	2.1939, 0.1785, 0.1181
Android (android.graphics.Color)	4279705703 (0xFF172067)
YUV	37.4030, 32.3393, -12.6314
Hunter-Lab	14.8118, 14.0431, -41.9475

Details

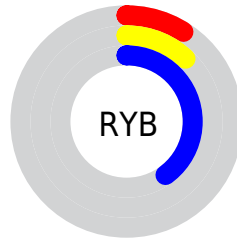
The YIQ color **37.4030, -28.1550, 20.1730** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **88.5970, 28.1550, -20.1730**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **86.2020, -22.9750, 25.4170**, and **6.2700, -17.6550, 17.1050** is the 20% darker color. If you saturate the color by 10%, you get **29.1300, -31.6400, 22.7600**, and if you desaturate by 10%, it is **45.6760, -24.6700, 17.5860**.

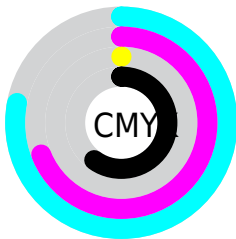
Distribution



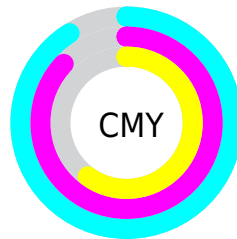
- Red (9%)
- Green (13%)
- Blue (40%)



- Red (9%)
- Yellow (12%)
- Blue (40%)



- Cyan (78%)
- Magenta (69%)
- Yellow (0%)
- Black (60%)



- Cyan (91%)
- Magenta (87%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.4030, -28.1550, 20.1730 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 37.4030, -28.1550, 20.1730 by changing the saturation by 10% instead.

■ 37.4030, -28.1550,
20.1730

■ 37.4030, -28.1550,
20.1730

■ 255.0000, -0.0000,
-0.0000

■ 15.9360, -28.3380,
17.9820

■ 86.2020, -22.9750,
25.4170

■ 6.2700, -17.6550,
17.1050

■ 111.4410,
-22.1500, 26.9860

■ 4.9360, -11.1430,
9.2170

■ 137.3810,
-21.9210, 28.3430

■ 0.5700, -1.6050,
1.5550

■ 164.2070,
-21.3710, 29.3890

■ 0.0000, 0.0000,
0.0000

■ 190.3660,
-17.5650, 26.4910

■ 214.5870, -8.3020,

18.3060

239.9930, 1.8780,
10.0220

37.4030, -28.1550,
20.1730

37.4030, -28.1550,
20.1730

29.1300, -31.6400,
22.7600

45.6760, -24.6700,
17.5860

20.5580, -35.7210,
25.1350

54.2480, -20.5890,
15.2110

18.7860, -36.3630,
25.7570

62.5210, -17.1040,
12.6240

71.3810, -13.8940,
9.5140

79.6540, -10.4090,
6.9270

■ 88.2260, -6.3280,
4.5520

■ 96.4990, -2.8430,
1.9650

■ 104.7720, 0.6420,
-0.6220

■ 113.3440, 4.7230,
-2.9970

Harmonies

Analogous

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



40.3570, -48.8770, 10.2510



37.4030, -28.1550, 20.1730



32.3990, 22.3670, 40.6950

Triad

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



37.4030, -28.1550, 20.1730



36.5350, 41.0340, 5.2420



36.0300, -27.0480, -16.4240

Complementary

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



37.4030, -28.1550, 20.1730



88.5970, 28.1550, -20.1730

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.



30.5240, -14.3000, -27.1960



37.4030, -28.1550, 20.1730



38.7400, 20.8630, -9.1610

Square

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



37.4030, -28.1550, 20.1730



29.0890, 54.6940, 22.0060



32.9600, -3.6640, -21.7120



40.1340, -38.6040, -5.2280

Rectangle

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



37.4030, -28.1550, 20.1730



34.0770, 37.7730, 36.8210



32.9600, -3.6640, -21.7120



34.0750, -22.9210, -19.6330

Sweetspot

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



37.4030, -28.1550, 20.1730



107.8820, -11.0510, 7.5490



78.0540, -44.7910, -19.7590



51.2260, -6.3280, 4.5520



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



37.4030, -28.1550, 20.1730



31.3540, -43.6540, 31.2420



41.3890, -7.2040, 31.4520



46.5700, -1.6050, 1.5550



20.7410, -40.4900, 28.9660



43.4370, -85.1070, 61.1410

Inverse Universe

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



47.9460, 44.7910, 19.7590



47.6720, 69.4100, 30.6420



84.6110, 7.2040, -31.4520



47.4950, 2.9800, 1.0600



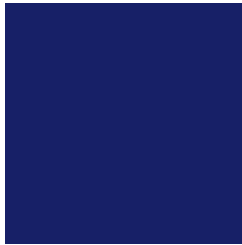
35.8670, 64.3670, 28.4230



75.4360, 135.5650, 59.7010

Previews

White Background



This preview shows how the YIQ color 37.4030, -28.1550, 20.1730 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



This preview shows how the YIQ color 37.4030, -28.1550, 20.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

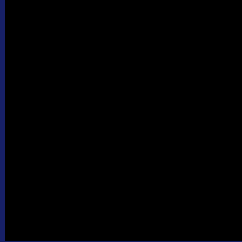
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.4030, -28.1550, 20.1730

Background



This preview shows how black text looks on a background with the YIQ color 37.4030, -28.1550, 20.1730.



This preview shows how white text looks on a background with the YIQ color 37.4030, -28.1550,

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

37.4030, -28.1550, 20.1730

Deuteranopia

33.4490, -34.9370, -0.0970

Tritanopia

32.5880, -28.3790, -8.8190

Trichromacy



Original Color

37.4030, -28.1550, 20.1730

Deuteranomaly

34.7470, -32.6000, 7.1120

Tritanomaly

34.3250, -28.6560, 1.7120

Monochromacy



Original Color

37.4030, -28.1550, 20.1730

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.0670, -10.1340, 7.4500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.4030, -28.1550, 20.1730 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(23, 32, 103)` looks like.

```
.text, #text, p{  
    color:rgb(23, 32, 103)  
}
```

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(23, 32, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 32, 103) }
```

Border

The CSS property to change the border of an element to YIQ 37.4030, -28.1550, 20.1730 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(23, 32, 103) }
```

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

```
.border{ border-color:rgb(23, 32, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 32, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 32, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 32, 103);  
box-shadow:4px 4px 4px 4px rgb(23, 32,  
103) }
```


Background

The CSS property to change the background color of an element to YIQ 37.4030, -28.1550, 20.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 32, 103) }
```

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

```
.background{ background-color: rgb(23, 32,  
103) }
```

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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