

Converting Colors

YIQ(46.4250, -34.3890, 12.0030)

Have a look what the booklet for
YIQ(46.4250, -34.3890, 12.0030)
contains.

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Color

**YIQ(46.4250, -34.3890,
12.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	153069
RGB	21, 48, 105
RGB Percent	8%, 19%, 41%
CMY	0.9177, 0.8117, 0.5884
CMYK	0.80, 0.54, 0.00, 0.59
HSL	221°, 67%, 25%
HSV	221°, 80%, 41%
XYZ	3.9140, 3.2932, 13.7815
YIQ	46.4250, -34.3890, 12.0030

Conversions

Conversions Part 2

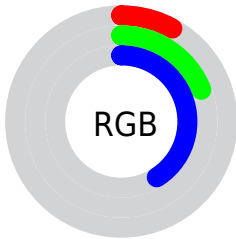
Format	Color
R_{YB}	21, 41, 105
Decimal	1388649
CIE _{Lab}	21.18, 12.40, -36.31
CIE _{LCh}	21, 38.369, 288.849
Yxy	3.2932, 0.1865, 0.1569
Android (android.graphics.Color)	4279578729 (0xFF153069)
YUV	46.4250, 28.8775, -22.2977
Hunter-Lab	18.1471, 6.7414, -32.3240

Details

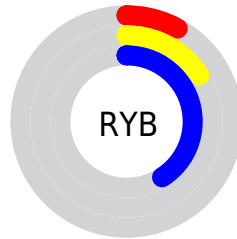
The YIQ color **46.4250, -34.3890, 12.0030** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **79.5750, 34.3890, -12.0030**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **96.3980, -29.7590, 16.2010**, and **6.4980, -18.2970, 17.7270** is the 20% darker color. If you saturate the color by 10%, you get **39.3260, -38.4240, 13.5440**, and if you desaturate by 10%, it is **53.5240, -30.3540, 10.4620**.

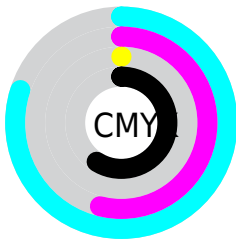
Distribution



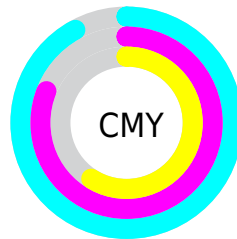
- Red (8%)
- Green (19%)
- Blue (41%)



- Red (8%)
- Yellow (16%)
- Blue (41%)



- Cyan (80%)
- Magenta (54%)
- Yellow (0%)
- Black (59%)



- Cyan (92%)
- Magenta (81%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.4250, -34.3890, 12.0030 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 46.4250, -34.3890, 12.0030 by changing the saturation by 10% instead.

■ 46.4250, -34.3890,
12.0030

■ 46.4250, -34.3890,
12.0030

■ 255.0000, -0.0000,
-0.0000

■ 25.5560, -33.3800,
10.2360

■ 96.3980, -29.7590,
16.2010

■ 6.4980, -18.2970,
17.7270

■ 121.6370,
-28.9340, 17.7700

■ 5.1640, -11.7850,
9.8390

■ 148.1640,
-28.9800, 18.6040

■ 1.0260, -2.8890,
2.7990

■ 174.6910,
-29.0260, 19.4380

■ 0.0000, 0.0000,
0.0000

■ 200.6220,
-24.5780, 15.9180

■ 225.7290,

-14.9940, 7.4220

251.4230, -5.6850,
-1.5970

46.4250, -34.3890,
12.0030

46.4250, -34.3890,
12.0030

39.3260, -38.4240,
13.5440

53.5240, -30.3540,
10.4620

31.9280, -43.0550,
14.8730

60.9220, -25.7230,
9.1330

68.0210, -21.6880,
7.5920

75.4190, -17.0570,
6.2630

83.1050, -13.2970,
4.1990

■ 90.5030, -8.6660,
2.8700

■ 97.6020, -4.6310,
1.3290

■ 105.0000, 0.0000,
0.0000

■ 112.0990, 4.0350,
-1.5410

Harmonies

Analogous

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



45.6570, -50.0220, 3.4660



46.4250, -34.3890, 12.0030



52.2300, 6.1850, 25.5850

Triad

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



46.4250, -34.3890, 12.0030



47.1500, 43.5560, 3.5880



41.4270, -29.8440, -20.8200

Complementary

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



46.4250, -34.3890, 12.0030



79.5750, 34.3890, -12.0030

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.



37.3280, -16.6840, -28.0440



46.4250, -34.3890, 12.0030



48.5300, 30.2620, -8.7940

Square

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



46.4250, -34.3890, 12.0030



44.9290, 43.4610, 21.8370



46.3380, 12.8870, -18.8010



44.7330, -39.1530, -11.8010

Rectangle

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



46.4250, -34.3890, 12.0030



49.2060, 23.9280, 28.9200



46.3380, 12.8870, -18.8010



39.7000, -26.3590, -23.4070

Sweetspot

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



46.4250, -34.3890, 12.0030



114.6320, -13.3430, 5.0330



76.6920, -41.0760, -26.5160



54.8020, -8.0700, 3.0820



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



46.4250, -34.3890, 12.0030



45.7020, -53.9220, 19.0860



34.7620, -18.6200, 29.0920



49.8580, -2.4760, 0.8200



35.6440, -48.0070, 16.5130



74.3030, -100.3700, 34.8780

Inverse Universe

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



49.1940, 41.3970, 26.2050



50.2560, 65.1900, 41.0460



91.2380, 18.6200, -29.0920



50.0220, 2.9340, 1.8940



39.3150, 57.5340, 36.6220



82.2610, 120.6610, 76.5090

Previews

White Background



This preview shows how the YIQ color 46.4250, -34.3890, 12.0030 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 46.4250, -34.3890, 12.0030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

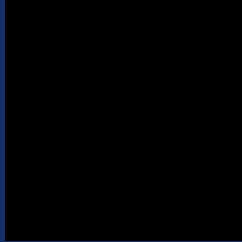
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.4250, -34.3890, 12.0030

Background



This preview shows how black text looks on a background with the YIQ color 46.4250, -34.3890, 12.0030.



This preview shows how white text looks on a background with the YIQ color 46.4250, -34.3890,

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

46.4250, -34.3890, 12.0030

Protanopia

40.7330, -47.1800, 7.0280

Tritanopia

40.4130, -35.2560, -10.8400

Trichromacy



Original Color

46.4250, -34.3890, 12.0030

Protanomaly

43.1250, -42.4120, 8.7240

Tritanomaly

42.8680, -34.7990, -2.5990

Monochromacy



Original Color

46.4250, -34.3890, 12.0030

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.2900, -12.3800, 4.1000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.4250, -34.3890, 12.0030 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(21, 48, 105)` looks like.

```
.text, #text, p{  
    color:rgb(21, 48, 105)  
}
```

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(21, 48, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 48, 105) }
```

Border

The CSS property to change the border of an element to YIQ 46.4250, -34.3890, 12.0030 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(21, 48, 105) }
```

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

```
.border{ border-color:rgb(21, 48, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 48, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 48, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 48, 105);  
box-shadow:4px 4px 4px 4px rgb(21, 48,  
105) }
```


Background

The CSS property to change the background color of an element to YIQ 46.4250, -34.3890, 12.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 48, 105) }
```

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

```
.background{ background-color: rgb(21, 48,  
105) }
```

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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