

Converting Colors

YIQ(42.7170, -23.8880, 3.4080)

Have a look what the booklet for
YIQ(42.7170, -23.8880, 3.4080)
contains.

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Color

**YIQ(42.7170, -23.8880,
3.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	162F4B
RGB	22, 47, 75
RGB Percent	9%, 18%, 29%
CMY	0.9138, 0.8156, 0.7060
CMYK	0.71, 0.37, 0.00, 0.71
HSL	212°, 55%, 19%
HSV	212°, 71%, 29%
XYZ	2.6166, 2.7119, 7.0368
YIQ	42.7170, -23.8880, 3.4080

Conversions

Conversions Part 2

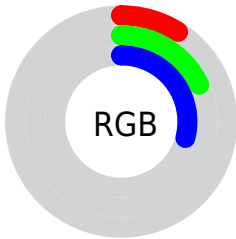
Format	Color
R_{YB}	22, 39, 75
Decimal	1453899
CIE _{Lab}	18.85, 0.75, -20.17
CIE _{LCh}	19, 20.186, 272.138
Yxy	2.7119, 0.2116, 0.2193
Android (android.graphics.Color)	4279643979 (0xFF162F4B)
YUV	42.7170, 15.9155, -18.1688
Hunter-Lab	16.4679, -0.4573, -13.8074

Details

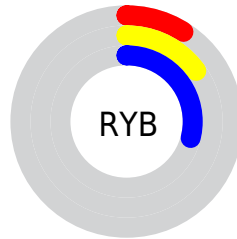
The YIQ color **42.7170, -23.8880, 3.4080** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **54.2830, 23.8880, -3.4080**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.9560, -23.0630, 4.9770**, and **4.7080, -10.5010, 8.5950** is the 20% darker color. If you saturate the color by 10%, you get **37.9770, -27.5560, 3.8040**, and if you desaturate by 10%, it is **47.1580, -20.8160, 2.8000**.

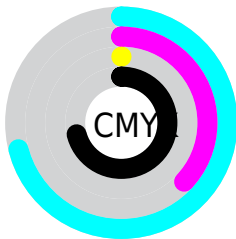
Distribution



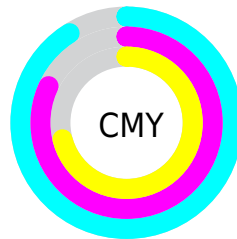
- Red (9%)
- Green (18%)
- Blue (29%)



- Red (9%)
- Yellow (15%)
- Blue (29%)



- Cyan (71%)
- Magenta (37%)
- Yellow (0%)
- Black (71%)



- Cyan (91%)
- Magenta (82%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.7170, -23.8880, 3.4080 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 42.7170, -23.8880, 3.4080 by changing the saturation by 10% instead.

■ 42.7170, -23.8880,
3.4080

■ 42.7170, -23.8880,
3.4080

■ 255.0000, -0.0000,
-0.0000

■ 21.1900, -23.8420,
2.5740

■ 89.9560, -23.0630,
4.9770

■ 4.7080, -10.5010,
8.5950

■ 114.4830,
-23.1090, 5.8110

■ 0.2280, -0.6420,
0.6220

■ 140.5970,
-23.4300, 6.1220

■ 0.0000, 0.0000,
0.0000

■ 166.7110,
-23.7510, 6.4330

■ 194.1240,
-23.4760, 6.9560

■ 221.2550,

-22.4670, 5.1890

■ 246.9490,
-13.1580, -3.8300

■ 42.7170, -23.8880,
3.4080

■ 42.7170, -23.8880,
3.4080

■ 37.9770, -27.5560,
3.8040

■ 47.1580, -20.8160,
2.8000

■ 33.5360, -30.6280,
4.4120

■ 51.8980, -17.1480,
2.4040

■ 29.0950, -33.7000,
5.0200

■ 56.3390, -14.0760,
1.7960

■ 61.0790, -10.4080,
1.4000

■ 65.5200, -7.3360,
0.7920

■ 70.2600, -3.6680,
0.3960

■ 74.7010, -0.5960,
-0.2120

■ 79.4410, 3.0720,
-0.6080

■ 83.8820, 6.1440,
-1.2160

Harmonies

Analogous

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



38.0310, -36.8160, -4.5920



42.7170, -23.8880, 3.4080



47.1000, -5.7330, 10.2910

Triad

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



42.7170, -23.8880, 3.4080



45.6070, 23.3360, 6.6000



39.8530, -13.2480, -13.2160

Complementary

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



42.7170, -23.8880, 3.4080



54.2830, 23.8880, -3.4080

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.



42.9920, 2.4780, -11.8740



42.7170, -23.8880, 3.4080



45.1950, 21.3200, -0.9200

Square

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



42.7170, -23.8880, 3.4080



46.9150, 19.7130, 11.6890



44.3850, 14.6730, -7.1110



36.3550, -29.3410, -13.4130

Rectangle

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



42.7170, -23.8880, 3.4080



47.5420, 4.7660, 12.7500



44.3850, 14.6730, -7.1110



40.7890, -7.1960, -12.7640

Sweetspot

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



42.7170, -23.8880, 3.4080



84.5630, -8.8950, 1.5130



56.1890, -23.2420, -19.3220



40.8900, -5.5020, 0.5940



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



42.7170, -23.8880, 3.4080



46.6540, -36.7720, 5.6280



28.3410, -16.4170, 16.6950



35.6300, -1.8340, 0.1980



39.8040, -45.9420, 6.6180



89.6160, -103.5300, 15.0460

Inverse Universe

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



40.6970, 23.5630, 19.0110



43.8500, 36.6740, 29.2020



68.6590, 16.4170, -16.6950



35.4240, 1.7420, 1.4700



35.9700, 45.3840, 36.5520



81.0820, 102.4120, 82.3480

Previews

White Background



This preview shows how the YIQ color 42.7170, -23.8880, 3.4080 looks on a white background.

Color Contrast Check

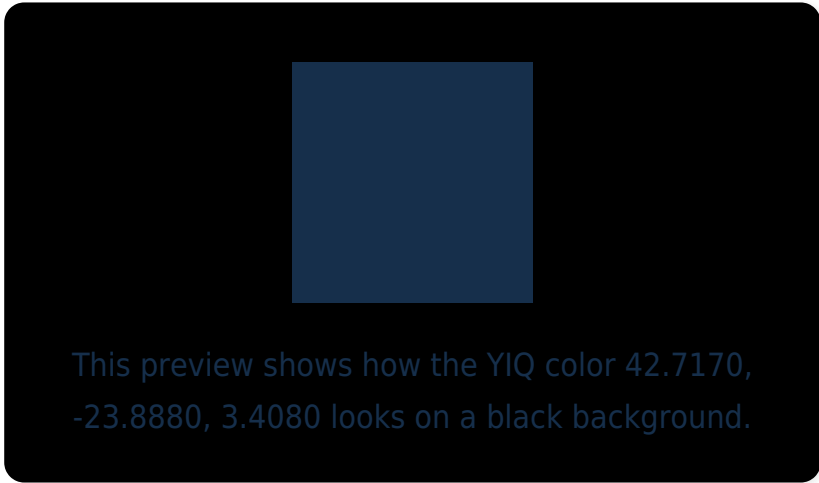
Large Text (above 18pt) WCAG AA ✓ Pass

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

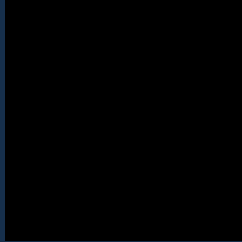
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.7170, -23.8880, 3.4080

Background



This preview shows how black text looks on a background with the YIQ color 42.7170, -23.8880, 3.4080.



This preview shows how white text looks on a background with the YIQ color 42.7170, -23.8880,

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

42.7170, -23.8880, 3.4080

Protanopia

45.2020, -14.9480, 6.5880

Deuteranopia

43.9240, -20.0370, 5.2030



Tritanopia

36.2070, -31.6800, -9.5680

Trichromacy



Original Color

42.7170, -23.8880, 3.4080

Protanomaly

44.4080, -18.5240, 5.3160

Deuteranomaly

43.3260, -21.2290, 4.7790

Tritanomaly

38.8100, -28.8840, -5.1720

Monochromacy



Original Color

42.7170, -23.8880, 3.4080

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.5630, -8.8950, 1.5130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.7170, -23.8880, 3.4080 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(22, 47, 75)` looks like.

```
.text, #text, p{  
    color:rgb(22, 47, 75)  
}
```

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(22, 47, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 47, 75) }
```

Border

The CSS property to change the border of an element to YIQ 42.7170, -23.8880, 3.4080 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(22, 47, 75) }
```


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

```
.border{ border-color:rgb(22, 47, 75) }
```

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

Here you see how a box with a 4 pixel rgb(22, 47, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 47, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 47, 75);  
box-shadow:4px 4px 4px 4px rgb(22, 47, 75)  
}
```

Background

The CSS property to change the background color of an element to YIQ 42.7170, -23.8880, 3.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 47, 75) }
```

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

```
.background{ background-color: rgb(22, 47,  
75) }
```

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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