

Converting Colors

YIQ(88.1650, -13.5260, 2.8420)

Have a look what the booklet for
YIQ(88.1650, -13.5260, 2.8420)
contains.

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Color

**YIQ(88.1650, -13.5260,
2.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5A6C
RGB	77, 90, 108
RGB Percent	30%, 35%, 42%
CMY	0.6981, 0.6470, 0.5765
CMYK	0.29, 0.17, 0.00, 0.58
HSL	215°, 17%, 36%
HSV	215°, 29%, 42%
XYZ	9.4226, 9.9732, 15.6109
YIQ	88.1650, -13.5260, 2.8420

Conversions

Conversions Part 2

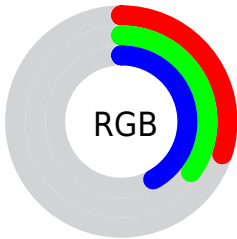
Format	Color
R_{YB}	77, 86, 108
Decimal	5069420
CIE Lab	37.79, -0.46, -11.93
CIE LCh	38, 11.938, 267.782
Yxy	9.9732, 0.2692, 0.2849
Android (android.graphics.Color)	4283259500 (0xFF4D5A6C)
YUV	88.1650, 9.7787, -9.7917
Hunter-Lab	31.5803, -2.0064, -7.2023

Details

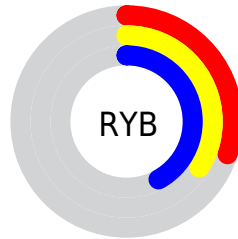
The YIQ color **88.1650, -13.5260, 2.8420** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **96.8350, 13.5260, -2.8420**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.2790, -13.8470, 3.1530**, and **42.6380, -13.4800, 2.0080** is the 20% darker color. If you saturate the color by 10%, you get **81.3540, -18.4320, 3.6480**, and if you desaturate by 10%, it is **94.9760, -8.6200, 2.0360**.

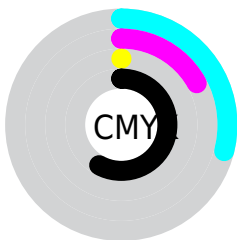
Distribution



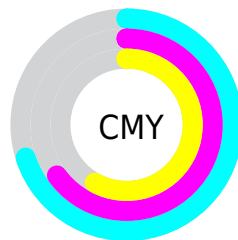
- Red (30%)
- Green (35%)
- Blue (42%)



- Red (30%)
- Yellow (34%)
- Blue (42%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (58%)



- Cyan (70%)
- Magenta (65%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 88.1650, -13.5260, 2.8420 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 88.1650, -13.5260, 2.8420 by changing the saturation by 10% instead.

■ 88.1650, -13.5260,
2.8420

■ 88.1650, -13.5260,
2.8420

■ 255.0000, -0.0000,
-0.0000

■ 65.0510, -13.2050,
2.5310

■ 138.2790,
-13.8470, 3.1530

■ 42.6380, -13.4800,
2.0080

■ 164.3930,
-14.1680, 3.4640

■ 21.2250, -13.7550,
1.4850

■ 191.5070,
-14.4890, 3.7750

■ 2.6390, -6.0530,
5.0750

■ 219.3220,
-15.4060, 3.8740

■ 0.0000, 0.0000,
0.0000

■ 246.3840, -9.9490,
-1.4130

■ 88.1650, -13.5260,
2.8420

■ 88.1650, -13.5260,
2.8420

■ 81.3540, -18.4320,
3.6480

■ 94.9760, -8.6200,
2.0360

■ 73.9560, -23.0630,
4.9770

■ 102.3740, -3.9890,
0.7070

■ 67.4440, -27.3730,
5.9950

■ 108.8860, 0.3210,
-0.3110

■ 60.6330, -32.2790,
6.8010

■ 115.6970, 5.2270,
-1.1170

■ 53.8220, -37.1850,
7.6070

■ 122.5080, 10.1330,
-1.9230

■ 46.4240, -41.8160,
8.9360

■ 129.9060, 14.7640,
-3.2520

■ 39.6130, -46.7220,
9.7420

■ 136.7170, 19.6700,
-4.0580

■ 38.7270, -47.0430,

■ 143.2290, 23.9800,

10.0530

-5.0760

■ 150.0400, 28.8860,
-5.8820

Harmonies

Analogous

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



86.5940, -19.3480, -1.7800



88.1650, -13.5260, 2.8420



90.0630, -4.3110, 6.5450

Triad

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



88.1650, -13.5260, 2.8420



90.4320, 16.4590, 4.5790



86.2070, -5.3170, -8.2690

Complementary

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



88.1650, -13.5260, 2.8420



96.8350, 13.5260, -2.8420

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.



87.6380, 3.7150, -6.7570



88.1650, -13.5260, 2.8420



89.6120, 15.7720, 0.5080

Square

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



88.1650, -13.5260, 2.8420



90.6860, 12.9280, 8.0000



88.6390, 11.1420, -3.6900



85.2430, -14.1660, -7.5900

Rectangle

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



88.1650, -13.5260, 2.8420



90.8250, 2.2910, 8.0430



88.6390, 11.1420, -3.6900



86.8760, -2.8870, -8.2550

Sweetspot

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



88.1650, -13.5260, 2.8420



132.3030, -5.2270, 1.1170



97.2490, -14.3030, -10.6150



66.5590, -3.0720, 0.6080



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



88.1650, -13.5260, 2.8420



110.0980, -20.5870, 4.1570



81.1320, -8.7590, 10.0650



49.8580, -2.4760, 0.8200



42.1010, -51.0320, 10.7600



88.3910, -106.9700, 22.3260

Inverse Universe

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



87.7510, 14.3030, 10.6150



109.3330, 21.5920, 16.1840



103.8680, 8.7590, -10.0650



50.0220, 2.9340, 1.8940



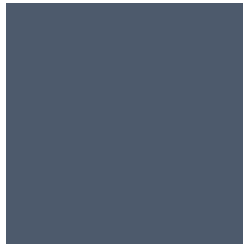
40.5690, 54.0030, 40.0430



84.9970, 112.9570, 83.9730

Previews

White Background



This preview shows how the YIQ color 88.1650, -13.5260, 2.8420 looks on a white background.

Color Contrast Check

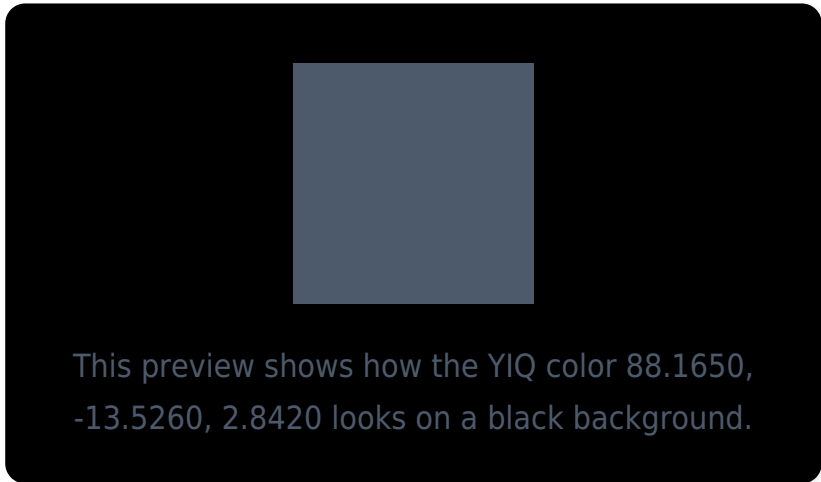
Large Text (above 18pt) WCAG AA ✓ Pass

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

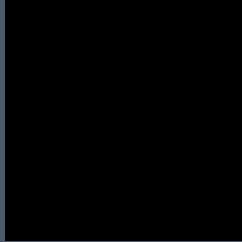
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

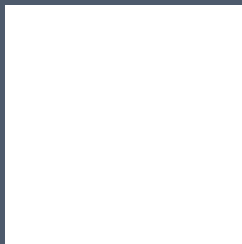
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 88.1650, -13.5260, 2.8420

Background



This preview shows how black text looks on a background with the YIQ color 88.1650, -13.5260, 2.8420.

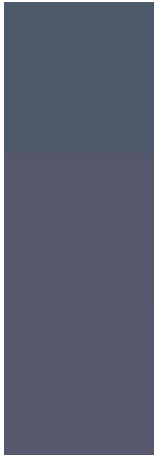


This preview shows how white text looks on a background with the YIQ color 88.1650, -13.5260,

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

88.1650, -13.5260, 2.8420

Protanopia

89.2690, -7.8870, 5.2730

Deuteranopia

89.5080, -7.0620, 6.8420



Tritanopia

87.7150, -12.3790, -1.4270

Trichromacy



Original Color

88.1650, -13.5260, 2.8420

Protanomaly

88.9590, -9.9500, 4.1140

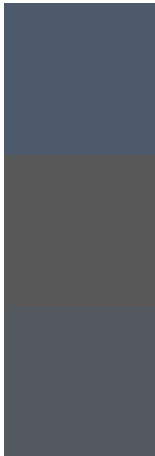
Deuteranomaly

88.8990, -9.7210, 5.4710

Tritanomaly

87.7690, -12.4710, 0.2410

Monochromacy



Original Color

88.1650, -13.5260, 2.8420

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.1890, -4.9060, 0.8060

CSS Examples

Text

The CSS property to change the color of the text to YIQ 88.1650, -13.5260, 2.8420 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(77, 90, 108)` looks like.

```
.text, #text, p{  
    color:rgb(77, 90, 108)  
}
```

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(77, 90, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 90, 108) }
```

Border

The CSS property to change the border of an element to YIQ 88.1650, -13.5260, 2.8420 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(77, 90, 108) }
```


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

```
.border{ border-color:rgb(77, 90, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 90, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 90, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 90, 108);  
box-shadow:4px 4px 4px 4px rgb(77, 90,  
108) }
```

Background

The CSS property to change the background color of an element to YIQ 88.1650, -13.5260, 2.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 90, 108) }
```

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

```
.background{ background-color: rgb(77, 90,  
108) }
```

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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