

Converting Colors

YIQ(42.5070, -22.5160, 22.6040)

Have a look what the booklet for
YIQ(42.5070, -22.5160, 22.6040)
contains.

YIQ(42.5070, -22.5160, 22.6040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(42.5070, -22.5160,
22.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	23226A
RGB	35, 34, 106
RGB Percent	14%, 13%, 42%
CMY	0.8627, 0.8667, 0.5845
CMYK	0.67, 0.68, 0.00, 0.58
HSL	241°, 51%, 27%
HSV	241°, 68%, 42%
XYZ	3.8652, 2.5414, 13.9124
YIQ	42.5070, -22.5160, 22.6040

Conversions

Conversions Part 2

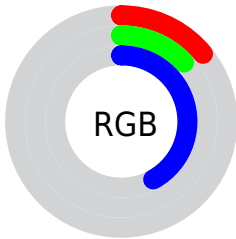
Format	Color
R_YB	35, 34, 106
Decimal	2302570
CIE _{Lab}	18.10, 24.94, -41.93
CIE _{LCh}	18, 48.788, 300.740
Y _{xy}	2.5414, 0.1902, 0.1251
Android (android.graphics.Color)	4280492650 (0xFF23226A)
Y _{UV}	42.5070, 31.3020, -6.5836
Hunter-Lab	15.9418, 15.3799, -40.5831

Details

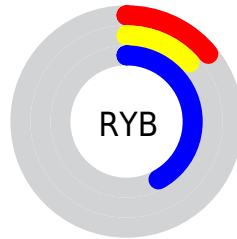
The YIQ color **42.5070, -22.5160, 22.6040** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **97.4930, 22.5160, -22.6040**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.9960, -19.3990, 26.6890**, and **6.6120, -18.6180, 18.0380** is the 20% darker color. If you saturate the color by 10%, you get **33.0600, -25.4510, 26.2370**, and if you desaturate by 10%, it is **51.9540, -19.5810, 18.9710**.

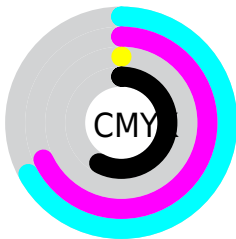
Distribution



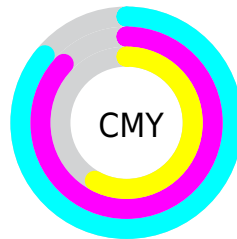
- Red (14%)
- Green (13%)
- Blue (42%)



- Red (14%)
- Yellow (13%)
- Blue (42%)



- Cyan (67%)
- Magenta (68%)
- Yellow (0%)
- Black (58%)



- Cyan (86%)
- Magenta (87%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.5070, -22.5160, 22.6040 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 42.5070, -22.5160, 22.6040 by changing the saturation by 10% instead.

■ 42.5070, -22.5160,
22.6040

■ 42.5070, -22.5160,
22.6040

■ 255.0000, -0.0000,
-0.0000

■ 17.4520, -29.8510,
17.8690

■ 90.9960, -19.3990,
26.6890

■ 6.6120, -18.6180,
18.0380

■ 116.2350,
-18.5740, 28.2580

■ 5.1640, -11.7850,
9.8390

■ 142.1750,
-18.3450, 29.6150

■ 1.1400, -3.2100,
3.1100

■ 168.8160,
-18.7120, 30.7600

■ 0.0000, 0.0000,
0.0000

■ 194.8180,
-13.0260, 26.8300

■ 219.6260, -4.0380,

18.1220

244.4340, 4.9500,
9.4140

42.5070, -22.5160,
22.6040

42.5070, -22.5160,
22.6040

33.0600, -25.4510,
26.2370

51.9540, -19.5810,
18.9710

23.9010, -29.2570,
29.1350

61.1130, -15.7750,
16.0730

14.4540, -32.1920,
32.7680

70.5600, -12.8400,
12.4400

12.3830, -33.4300,
33.1780

79.7190, -9.0340,
9.5420

89.1660, -6.0990,
5.9090

■ 98.9120, -2.5680,
2.4880

■ 107.7720, 0.6420,
-0.6220

■ 117.5180, 4.1730,
-4.0430

■ 126.3780, 7.3830,
-7.1530

Harmonies

Analogous

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



41.9870, -50.7110, 10.4490



42.5070, -22.5160, 22.6040



35.5950, 24.7510, 41.5430

Triad

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



42.5070, -22.5160, 22.6040



40.3670, 41.4470, 3.2630



39.0620, -30.0740, -16.6500

Complementary

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



42.5070, -22.5160, 22.6040



97.4930, 22.5160, -22.6040

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.



33.1000, -16.0420, -28.6660



42.5070, -22.5160, 22.6040



41.6860, 20.9550, -10.8290

Square

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



42.5070, -22.5160, 22.6040



30.5130, 56.4360, 23.4760



35.6070, -4.1680, -23.5920



43.1660, -41.6300, -5.4540

Rectangle

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



42.5070, -22.5160, 22.6040



36.0990, 40.7070, 38.7150



35.6070, -4.1680, -23.5920



37.1070, -25.9470, -19.8590

Sweetspot

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



42.5070, -22.5160, 22.6040



113.4910, -8.3920, 8.9200



84.4720, -42.9120, -15.2640



54.2370, -4.8610, 5.4990



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.



42.5070, -22.5160, 22.6040



39.3660, -34.7600, 35.2560



52.9720, -1.6560, 30.0240



48.6840, -1.9260, 1.8660



13.9360, -36.3650, 36.8110



28.8270, -76.8570, 76.8310

Inverse Universe

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



63.6220, 20.1210, 37.3450



72.0280, 31.4420, 57.9540



87.0280, 1.6560, -30.0240



50.3640, 1.9710, 2.8270



48.2070, 32.4960, 60.8800



100.7290, 68.6590, 126.8910

Previews

White Background



This preview shows how the YIQ color 42.5070, -22.5160, 22.6040 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 42.5070, -22.5160, 22.6040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

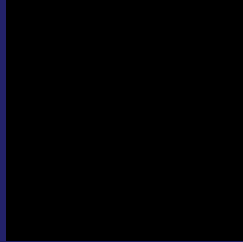
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.5070, -22.5160, 22.6040

Background



This preview shows how black text looks on a background with the YIQ color 42.5070, -22.5160, 22.6040.



This preview shows how white text looks on a background with the YIQ color 42.5070, -22.5160,

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

42.5070, -22.5160, 22.6040

Protanopia

35.6150, -41.0360, 5.8120

Deuteranopia

35.8940, -37.6880, 0.2000



Tritanopia

35.3920, -30.7630, -9.6670

Trichromacy



Original Color

42.5070, -22.5160, 22.6040

Protanomaly

38.3110, -34.0680, 11.6920

Deuteranomaly

38.5730, -32.0500, 8.1580

Tritanomaly

37.9230, -27.4640, 2.1360

Monochromacy



Original Color

42.5070, -22.5160, 22.6040

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.9640, -8.3460, 8.0860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.5070, -22.5160, 22.6040 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(35, 34, 106)` looks like.

```
.text, #text, p{  
    color:rgb(35, 34, 106)  
}
```

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(35, 34, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 34, 106) }
```

Border

The CSS property to change the border of an element to YIQ 42.5070, -22.5160, 22.6040 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(35, 34, 106) }
```


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

```
.border{ border-color:rgb(35, 34, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 34, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 34, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 34, 106);  
box-shadow:4px 4px 4px 4px rgb(35, 34,  
106) }
```

Background

The CSS property to change the background color of an element to YIQ 42.5070, -22.5160, 22.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 34, 106) }
```

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

```
.background{ background-color: rgb(35, 34,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor