

Converting Colors

YIQ(85.0130, -70.7950, 22.0130)

Have a look what the booklet for
YIQ(85.0130, -70.7950, 22.0130)
contains.

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Color

**YIQ(85.0130, -70.7950,
22.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	1F5AC9
RGB	31, 90, 201
RGB Percent	12%, 35%, 79%
CMY	0.8784, 0.6470, 0.2121
CMYK	0.85, 0.55, 0.00, 0.21
HSL	219°, 73%, 45%
HSV	219°, 85%, 79%
XYZ	14.7544, 11.8202, 56.7045
YIQ	85.0130, -70.7950, 22.0130

Conversions

Conversions Part 2

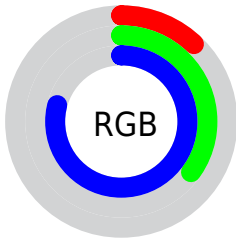
Format	Color
R_{YB}	31, 75, 201
Decimal	2054857
CIE _{Lab}	40.93, 23.34, -62.76
CIE _{LCh}	41, 66.954, 290.397
Yxy	11.8202, 0.1772, 0.1419
Android (android.graphics.Color)	4280244937 (0xFF1F5AC9)
YUV	85.0130, 57.1816, -47.3694
Hunter-Lab	34.3806, 16.4373, -73.7218

Details

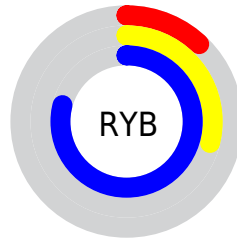
The YIQ color **85.0130, -70.7950, 22.0130** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **146.9870, 70.7950, -22.0130**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **142.6560, -56.3080, 29.2920**, and **43.6460, -59.5160, 21.3480** is the 20% darker color. If you saturate the color by 10%, you get **71.4020, -79.1400, 24.5720**, and if you desaturate by 10%, it is **98.6240, -62.4500, 19.4540**.

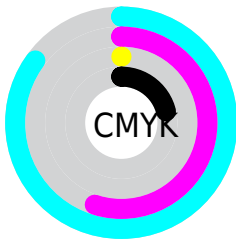
Distribution



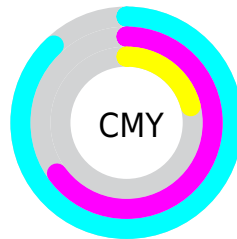
- Red (12%)
- Green (35%)
- Blue (79%)



- Red (12%)
- Yellow (29%)
- Blue (79%)



- Cyan (85%)
- Magenta (55%)
- Yellow (0%)
- Black (21%)



- Cyan (88%)
- Magenta (65%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.0130, -70.7950, 22.0130 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 85.0130, -70.7950, 22.0130 by changing the saturation by 10% instead.

■ 85.0130, -70.7950,
22.0130

■ 85.0130, -70.7950,
22.0130

■ 255.0000, -0.0000,
-0.0000

■ 59.0510, -73.9580,
18.7620

■ 142.6560,
-56.3080, 29.2920

■ 43.6460, -59.5160,
21.3480

■ 167.7740,
-45.2570, 21.7430

■ 29.4150, -45.6240,
22.8880

■ 192.5930,
-34.8020, 13.9820

■ 10.7160, -30.1740,
29.2340

■ 217.7110,
-23.7510, 6.4330

■ 12.5620, -24.3490,
17.2750

■ 243.7040,
-13.8460, -2.3740

■ 7.5920, -15.8660,
12.2140

■ 3.3230, -7.9790,

6.9410

■ 0.0000, 0.0000,
0.0000

■ 85.0130, -70.7950,
22.0130

■ 85.0130, -70.7950,
22.0130

■ 71.4020, -79.1400,
24.5720

■ 98.6240, -62.4500,
19.4540

■ 64.0040, -83.7710,
25.9010

■ 112.2350,
-54.1050, 16.8950

■ 125.8460,
-45.7600, 14.3360

■ 139.4570,
-37.4150, 11.7770

■ 153.6550,
-29.3450, 8.6950

■ 167.5650,
-20.4040, 6.3480

■ 181.1760,
-12.0590, 3.7890

■ 194.7870, -3.7140,
1.2300

■ 208.3980, 4.6310,
-1.3290

Harmonies

Analogous

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



87.4670, -96.1010, 7.0590



85.0130, -70.7950, 22.0130



97.0150, 15.1210, 50.8730

Triad

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



85.0130, -70.7950, 22.0130



86.8650, 83.9030, 4.7590



78.5170, -57.1210, -38.6010

Complementary

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



85.0130, -70.7950, 22.0130



146.9870, 70.7950, -22.0130

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.



68.2860, -35.2020, -55.8900



85.0130, -70.7950, 22.0130



91.4230, 55.0680, -17.8280

Square

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



85.0130, -70.7950, 22.0130



77.0800, 86.4170, 47.3210



86.1530, 19.9970, -37.5310



85.6020, -75.6930, -21.3970

Rectangle

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



85.0130, -70.7950, 22.0130



86.7870, 51.2940, 61.6140



86.1530, 19.9970, -37.5310



75.7640, -50.7470, -43.9870

Sweetspot

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



85.0130, -70.7950, 22.0130



211.2100, -26.5940, 8.3980



143.3300, -82.0600, -54.7000



101.6640, -16.3690, 4.8070



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



85.0130, -70.7950, 22.0130



81.3130, -106.3300, 32.7580



57.8550, -39.6700, 58.1700



92.7870, -3.7140, 1.2300



52.0410, -67.9980, 20.8820



11.1480, -14.8560, 4.9200

Inverse Universe

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



88.5560, 82.3810, 54.3890



86.3910, 123.4110, 81.7390



173.8460, 39.0740, -58.3820



93.0330, 4.4010, 2.8410



55.2350, 78.8510, 52.2830



12.1320, 17.6040, 11.3640

Previews

White Background



This preview shows how the YIQ color 85.0130, -70.7950, 22.0130 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 × Fail

Black Background



This preview shows how the YIQ color 85.0130, -70.7950, 22.0130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

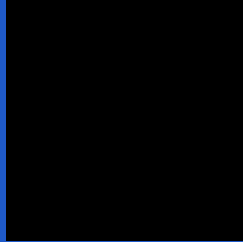
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.0130, -70.7950, 22.0130

Background



This preview shows how black text looks on a background with the YIQ color 85.0130, -70.7950, 22.0130.



This preview shows how white text looks on a background with the YIQ color 85.0130, -70.7950,

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

85.0130, -70.7950, 22.0130

Protanopia

76.3480, -88.2160, 12.8400

Deuteranopia

76.7920, -81.1990, 1.3050



Tritanopia

75.6910, -65.6980, -20.8180

Trichromacy



Original Color

85.0130, -70.7950, 22.0130

Protanomaly

79.2780, -82.0270, 16.3170

Deuteranomaly

79.6880, -77.6700, 8.9380

Tritanomaly

79.1060, -67.7640, -5.3960

Monochromacy



Original Color

85.0130, -70.7950, 22.0130

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.9820, -25.9520, 7.7760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.0130, -70.7950, 22.0130 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(31, 90, 201)` looks like.

```
.text, #text, p{  
    color:rgb(31, 90, 201)  
}
```

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(31, 90, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 90, 201) }
```

Border

The CSS property to change the border of an element to YIQ 85.0130, -70.7950, 22.0130 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(31, 90, 201) }
```


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

```
.border{ border-color:rgb(31, 90, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 90, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 90, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 90, 201);  
box-shadow:4px 4px 4px 4px rgb(31, 90,  
201) }
```

Background

The CSS property to change the background color of an element to YIQ 85.0130, -70.7950, 22.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 90, 201) }
```

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

```
.background{ background-color: rgb(31, 90,  
201) }
```

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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