

Converting Colors

YIQ(166.4090, -55.7960,
-13.0440)

Have a look what the booklet for
YIQ(166.4090, -55.7960, -13.0440)
contains.

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Color

**YIQ(166.4090, -55.7960,
-13.0440)**

Conversions

Conversions Part 1

Format	Color
Hex	69BECE
RGB	105, 190, 206
RGB Percent	41%, 75%, 81%
CMY	0.5884, 0.2547, 0.1924
CMYK	0.49, 0.08, 0.00, 0.19
HSL	189°, 51%, 61%
HSV	189°, 49%, 81%
XYZ	35.3745, 44.2960, 65.0401
YIQ	166.4090, -55.7960, -13.0440

Conversions

Conversions Part 2

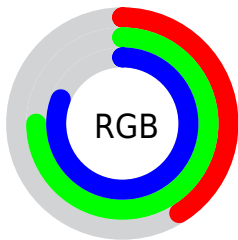
Format	Color
RYB	105, 151, 206
Decimal	6930126
CIELab	72.43, -21.49, -15.98
CIElCh	72, 26.779, 216.631
Yxy	44.2960, 0.2444, 0.3061
Android (android.graphics.Color)	4285120206 (0xFF69BECE)
YUV	166.4090, 19.5184, -53.8557
Hunter-Lab	66.5553, -21.5980, -11.3515

Details

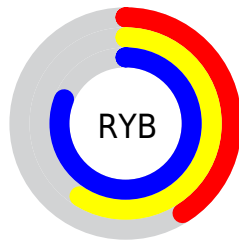
The YIQ color **166.4090, -55.7960, -13.0440** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **144.5910, 55.7960, 13.0440**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **221.9100, -52.9530, -15.0090**, and **110.3160, -59.9680, -14.5280** is the 20% darker color. If you saturate the color by 10%, you get **158.3690, -67.4870, -15.9270**, and if you desaturate by 10%, it is **174.4490, -44.1050, -10.1610**.

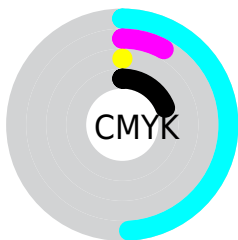
Distribution



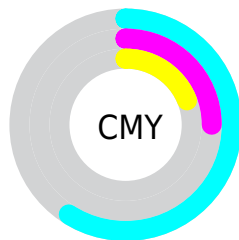
- Red (41%)
- Green (75%)
- Blue (81%)



- Red (41%)
- Yellow (59%)
- Blue (81%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.4090, -55.7960, -13.0440 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 166.4090, -55.7960, -13.0440 by changing the saturation by 10% instead.

■ 166.4090,
-55.7960, -13.0440

■ 166.4090,
-55.7960, -13.0440

■ 255.0000, -0.0000,
-0.0000

■ 138.6970,
-56.6670, -13.7790

■ 222.4970,
-53.2280, -15.5320

■ 110.3160,
-59.9680, -14.5280

■ 235.8640,
-38.1440, -13.5680

■ 79.5210, -70.9710,
-18.8670

■ 244.5350,
-20.8600, -7.4200

■ 61.9960, -56.0710,
-13.5670

■ 253.5050, -2.9800,
-1.0600

■ 45.7590, -42.0420,
-9.0020

■ 29.6360, -28.3340,
-4.1260

■ 13.7410, -15.2680,

1.3720

■ 0.7980, -2.2470,
2.1770

■ 0.0000, 0.0000,
0.0000

■ 166.4090,
-55.7960, -13.0440

■ 166.4090,
-55.7960, -13.0440

■ 158.3690,
-67.4870, -15.9270

■ 174.4490,
-44.1050, -10.1610

■ 150.6280,
-78.5820, -18.5980

■ 182.7770,
-33.2850, -8.0130

■ 142.0010,
-89.9980, -20.9580

■ 190.8170,
-21.5940, -5.1300

■ 134.2600,
-101.0930, -23.6290

■ 198.5580,
-10.4990, -2.4590

■ 126.2200,
-112.7840, -26.5120

■ 206.5980, 1.1920,
0.4240

■ 125.6220,
-113.9760, -26.9360

■ 214.6380, 12.8830,
3.3070

■ 222.9660, 23.7030,
5.4550

■ 226.5210, 26.4540,
5.1580

■ 228.2820, 25.6290,
3.5890

Harmonies

Analogous

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



166.3530, -44.1950, -19.5470



166.4090, -55.7960, -13.0440



170.3810, -49.4250, -1.8490

Triad

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



166.4090, -55.7960, -13.0440



181.6520, 19.4360, 22.2200



176.0020, 22.8810, -12.6950

Complementary

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



166.4090, -55.7960, -13.0440



144.5910, 55.7960, 13.0440

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.



178.3400, 36.9090, -2.6030



166.4090, -55.7960, -13.0440



181.2160, 35.1630, 18.0350

Square

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



166.4090, -55.7960, -13.0440



180.1530, -4.0840, 18.9560



180.0560, 41.1250, 9.1010



173.0640, 1.9750, -19.2810

Rectangle

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



166.4090, -55.7960, -13.0440



174.7680, -37.0930, 5.9390



180.0560, 41.1250, 9.1010



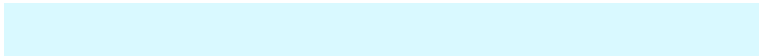
176.6330, 28.4740, -9.4300

Sweetspot

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



166.4090, -55.7960, -13.0440



240.1160, -20.9980, -4.9180



165.9970, -32.5900, -48.1580



118.7750, -12.6080, -2.7840



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.



166.4090, -55.7960, -13.0440



196.0620, -82.8000, -19.2480



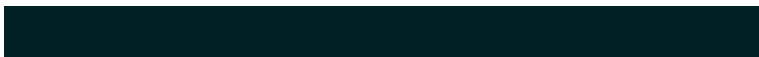
137.0590, -42.0460, 13.1060



97.8360, -5.4100, -1.0740



101.1040, -91.7860, -21.5940



23.1160, -20.9980, -4.9180

Inverse Universe

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



144.8890, 32.9110, 47.8470



164.2140, 48.9540, 70.9860



173.9410, 42.0460, -13.1060



95.9020, 3.3920, 4.6080



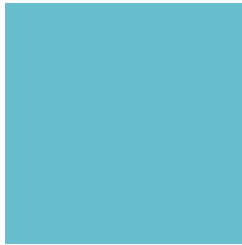
65.5940, 53.9960, 78.7320



15.0100, 12.3760, 18.0080

Previews

White Background



This preview shows how the YIQ color 166.4090, -55.7960, -13.0440 looks on a white background.

Color Contrast Check

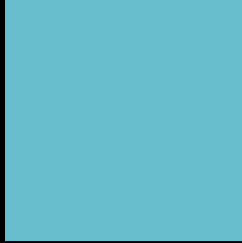
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 166.4090, -55.7960, -13.0440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

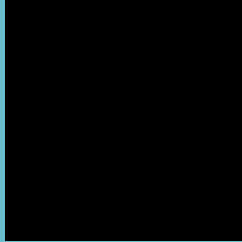
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 166.4090, -55.7960, -13.0440 Background



This preview shows how black text looks on a background with the YIQ color 166.4090, -55.7960, -13.0440.



This preview shows how white text looks on a background with the YIQ color 166.4090, -55.7960, -13.0440.

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

166.4090, -55.7960, -13.0440

Protanopia

177.0950, -7.3370, 6.3190

Deuteranopia

178.7130, -8.8970, 12.5670



Tritanopia

166.2950, -55.4750, -13.3550

Trichromacy



Original Color

166.4090, -55.7960, -13.0440

Protanomaly

173.0110, -24.8960, -0.3520

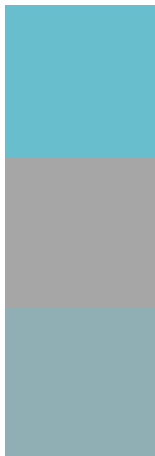
Deuteranomaly

174.0480, -26.3180, 3.3940

Tritanomaly

166.2950, -55.4750, -13.3550

Monochromacy



Original Color

166.4090, -55.7960, -13.0440

Achromatopsia

166.0000, -0.0000, 0.0000

Achromatomaly

166.4150, -20.4020, -4.7060

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.4090, -55.7960, -13.0440 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(105, 190, 206)` looks like.

```
.text, #text, p{  
    color:rgb(105, 190, 206)  
}
```

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(105, 190, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 190, 206) }
```

Border

The CSS property to change the border of an element to YIQ 166.4090, -55.7960, -13.0440 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(105, 190, 206) }
```


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

```
.border{ border-color:rgb(105, 190, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 190, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 190, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 190, 206);  
box-shadow:4px 4px 4px 4px rgb(105, 190,  
206) }
```

Background

The CSS property to change the background color of an element to YIQ 166.4090, -55.7960, -13.0440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 190, 206) }
```

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

```
.background{ background-color: rgb(105,  
190, 206) }
```

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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