

Converting Colors

YIQ(199.5050, -55.7060,
-3.6580)

Have a look what the booklet for
YIQ(199.5050, -55.7060, -3.6580)
contains.

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Color

**YIQ(199.5050, -55.7060,
-3.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	90D9FF
RGB	144, 217, 255
RGB Percent	56%, 85%, 100%
CMY	0.4354, 0.1489, 0.0002
CMYK	0.44, 0.15, 0.00, 0.00
HSL	200°, 100%, 78%
HSV	200°, 44%, 100%
XYZ	54.3554, 62.7833, 103.8074
YIQ	199.5050, -55.7060, -3.6580

Conversions

Conversions Part 2

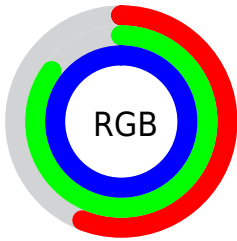
Format	Color
RYB	144, 188, 255
Decimal	9492991
CIELab	83.33, -13.12, -25.59
CIELCh	83, 28.753, 242.859
Yxy	62.7833, 0.2460, 0.2842
Android (android.graphics.Color)	4287683071 (0xFF90D9FF)
YUV	199.5050, 27.3590, -48.6779
Hunter-Lab	79.2359, -16.2128, -22.2110

Details

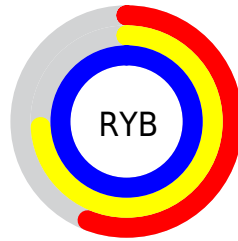
The YIQ color **199.5050, -55.7060, -3.6580** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **199.4950, 55.7060, 3.6580**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **239.1530, -31.5880, -11.2360**, and **143.3800, -56.8520, -4.9160** is the 20% darker color. If you saturate the color by 10%, you get **186.4480, -68.7270, -4.4630**, and if you desaturate by 10%, it is **212.2630, -43.2810, -3.0650**.

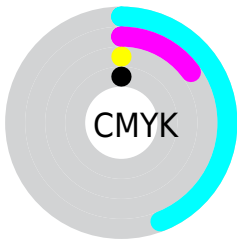
Distribution



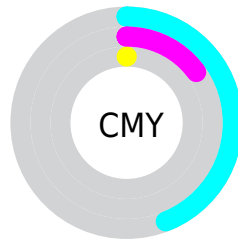
- Red (56%)
- Green (85%)
- Blue (100%)



- Red (56%)
- Yellow (74%)
- Blue (100%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 199.5050, -55.7060, -3.6580 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 199.5050, -55.7060, -3.6580 by changing the saturation by 10% instead.

■ 199.5050,
-55.7060, -3.6580

■ 199.5050,
-55.7060, -3.6580

■ 255.0000, -0.0000,
-0.0000

■ 171.0920,
-55.9810, -4.1810

■ 239.1530,
-31.5880, -11.2360

■ 143.3800,
-56.8520, -4.9160

■ 247.8240,
-14.3040, -5.0880

■ 116.0700,
-58.9150, -6.0750

■ 85.7590, -68.4050,
-10.3010

■ 63.9340, -61.5280,
-8.2800

■ 47.6970, -47.4990,
-3.7150

■ 32.0470, -33.7450,

0.3270

■ 18.2720, -21.1370,
3.1110

■ 3.5510, -8.6210,
7.5630

■ 199.5050,
-55.7060, -3.6580

■ 199.5050,
-55.7060, -3.6580

■ 186.4480,
-68.7270, -4.4630

■ 212.2630,
-43.2810, -3.0650

■ 174.2770,
-81.4270, -5.5790

■ 224.7330,
-29.9850, -1.7370

■ 161.2200,
-94.4480, -6.3840

■ 237.4910,
-17.5600, -1.1440

■ 148.4620,
-106.8730, -6.9770

■ 250.5480, -4.5390,
-0.3390

■ 135.4050,
-119.8940, -7.7820

255.0000, -0.0000,
-0.0000

■ 127.6860,
-128.0550, -8.5590

Harmonies

Analogous

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



195.4900, -60.5180, -15.5740



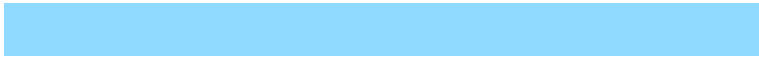
199.5050, -55.7060, -3.6580



204.9750, -33.2420, 7.7340

Triad

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



199.5050, -55.7060, -3.6580



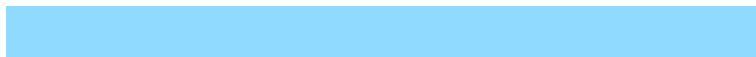
210.0850, 34.1540, 19.8020



203.2770, 5.6890, -20.5110

Complementary

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



199.5050, -55.7060, -3.6580



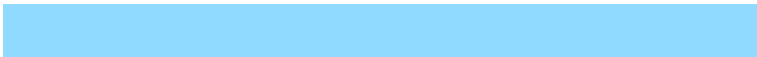
199.4950, 55.7060, 3.6580

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.



206.3400, 27.7410, -12.6670



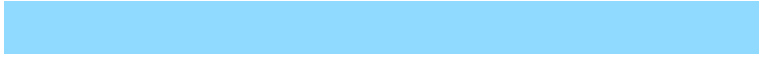
199.5050, -55.7060, -3.6580



208.2950, 41.9500, 10.6700

Square

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



199.5050, -55.7060, -3.6580



212.5210, 18.4270, 23.9870



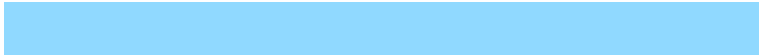
208.6180, 41.9980, -1.2180



199.8100, -20.8570, -24.0010

Rectangle

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



199.5050, -55.7060, -3.6580



208.9280, -16.6920, 16.1720



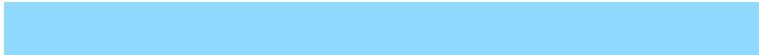
208.6180, 41.9980, -1.2180



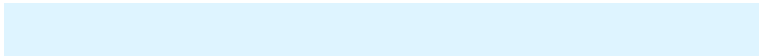
203.9360, 14.0790, -18.3770

Sweetspot

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



199.5050, -55.7060, -3.6580



238.6760, -16.6430, -1.2430



213.3750, -42.4020, -46.5460



117.6120, -10.5910, -0.7910



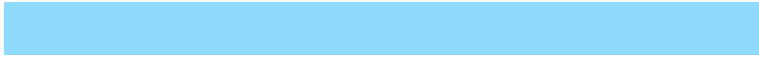
0.0000, 0.0000, 0.0000



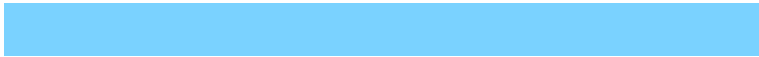
128.0000, -0.0000, -0.0000

Same Dimension

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



199.5050, -55.7060, -3.6580



188.8180, -66.8930, -4.6610



167.2200, -40.5810, 25.1070



121.1780, -6.3730, -0.1410



95.7360, -95.9610, -6.4970



31.9500, -32.0940, -2.0620

Inverse Universe

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



185.5110, 42.7230, 46.2350



171.7990, 51.0200, 55.5640



231.1930, 40.8560, -24.5840



119.7990, 5.1800, 5.2440



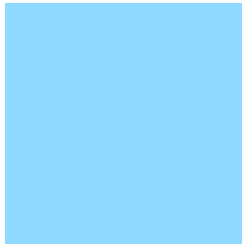
71.4730, 73.3900, 79.6780



23.9240, 24.6620, 26.6300

Previews

White Background



This preview shows how the YIQ color 199.5050, -55.7060, -3.6580 looks on a white background.

Color Contrast Check

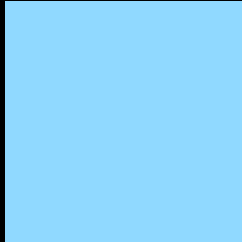
Large Text (above 18pt) WCAG AA × Fail

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 199.5050, -55.7060, -3.6580 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

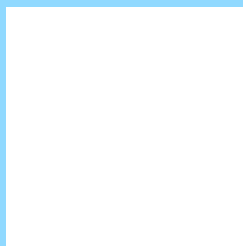
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 199.5050, -55.7060, -3.6580

Background



This preview shows how black text looks on a background with the YIQ color 199.5050, -55.7060, -3.6580.



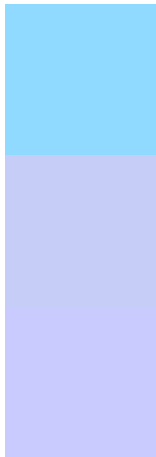
This preview shows how white text looks on a background with the YIQ color 199.5050, -55.7060, -3.6580.

-3.6580.

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

199.5050, -55.7060, -3.6580

Protanopia

207.6950, -17.6540, 11.5780

Deuteranopia

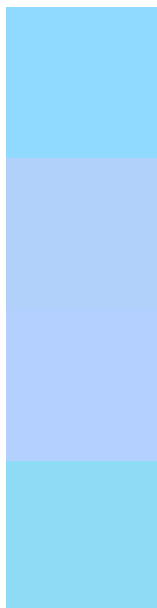
208.3300, -17.8840, 15.7480



Tritanopia

197.8330, -54.0540, -11.5740

Trichromacy



Original Color

199.5050, -55.7060, -3.6580

Protanomaly

204.4050, -31.6370, 6.1790

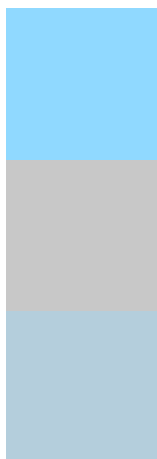
Deuteranomaly

204.9860, -31.7750, 8.6810

Tritanomaly

198.5280, -54.5130, -8.7610

Monochromacy



Original Color

199.5050, -55.7060, -3.6580

Achromatopsia

200.0000, -0.0000, -0.0000

Achromatomaly

199.8220, -19.9900, -1.1580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.5050, -55.7060, -3.6580 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(144, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 217, 255)  
}
```

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(144, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 217, 255) }
```

Border

The CSS property to change the border of an element to YIQ 199.5050, -55.7060, -3.6580 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(144, 217, 255) }
```


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

```
.border{ border-color:rgb(144, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(144, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 217,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 199.5050, -55.7060, -3.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 217, 255) }
```

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

```
.background{ background-color: rgb(144,  
217, 255) }
```

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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