

Converting Colors

YIQ(146.8220, -89.9110, 5.0090)

Have a look what the booklet for
YIQ(146.8220, -89.9110, 5.0090)
contains.

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Color

**YIQ(146.8220, -89.9110,
5.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	40A8FF
RGB	64, 168, 255
RGB Percent	25%, 66%, 100%
CMY	0.7492, 0.3410, 0.0004
CMYK	0.75, 0.34, 0.00, 0.00
HSL	207°, 100%, 63%
HSV	207°, 75%, 100%
XYZ	34.1545, 36.3229, 99.7273
YIQ	146.8220, -89.9110, 5.0090

Conversions

Conversions Part 2

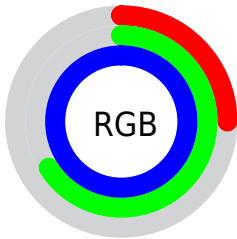
Format	Color
R _{YB}	64, 131, 255
Decimal	4237567
CIE _{Lab}	66.77, -1.28, -51.53
CIE _{LCh}	67, 51.545, 268.581
Yxy	36.3229, 0.2007, 0.2134
Android (android.graphics.Color)	4282427647 (0xFF40A8FF)
YUV	146.8220, 53.3318, -72.6349
Hunter-Lab	60.2685, -4.3128, -55.9204

Details

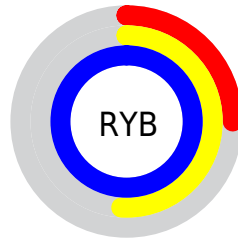
The YIQ color **146.8220, -89.9110, 5.0090** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **172.1780, 89.9110, -5.0090**, and the grayscale version is **146.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **200.3360, -62.7200, -8.7040**, and **90.6640, -95.4580, 0.9100** is the 20% darker color. If you saturate the color by 10%, you get **132.0040, -102.1070, 5.7730**, and if you desaturate by 10%, it is **161.3410, -78.3110, 4.0330**.

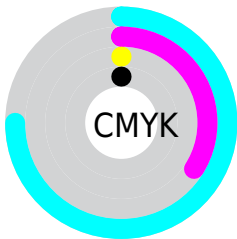
Distribution



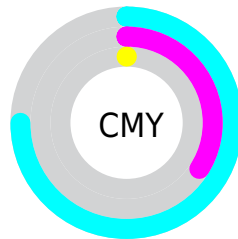
- Red (25%)
- Green (66%)
- Blue (100%)



- Red (25%)
- Yellow (51%)
- Blue (100%)



- Cyan (75%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 146.8220, -89.9110, 5.0090 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 146.8220, -89.9110, 5.0090 by changing the saturation by 10% instead.

■ 146.8220,
-89.9110, 5.0090

■ 146.8220,
-89.9110, 5.0090

■ 255.0000, -0.0000,
-0.0000

■ 109.1180,
-111.5960, -3.9800

■ 200.3360,
-62.7200, -8.7040

■ 91.2510, -95.7330,
0.3870

■ 226.3400,
-51.3480, -16.5640

■ 73.3840, -79.8700,
4.7540

■ 237.9570,
-33.9720, -12.0840

■ 56.8050, -64.8780,
8.3860

■ 247.2260,
-15.4960, -5.5120

■ 41.5140, -50.7570,
11.2830

■ 26.9240, -37.2320,
13.9680

■ 11.8610, -23.7530,

17.4870

■ 6.7770, -14.9490,
12.1150

■ 3.2090, -7.6580,
6.6300

■ 146.8220,
-89.9110, 5.0090

■ 146.8220,
-89.9110, 5.0090

■ 132.0040,
-102.1070, 5.7730

■ 161.3410,
-78.3110, 4.0330

■ 118.0720,
-113.9820, 6.2260

■ 175.5720,
-65.8400, 3.7920

■ 110.6630,
-120.0800, 6.6080

■ 190.0910,
-54.2400, 2.8160

■ 204.3220,
-41.7690, 2.5750

■ 218.8410,
-30.1690, 1.5990

■ 233.6590,
-17.9730, 0.8350

■ 247.5910, -6.0980,
0.3820

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



133.1340, -126.8610, -19.1890



146.8220, -89.9110, 5.0090



164.5920, -23.8930, 31.0430

Triad

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



146.8220, -89.9110, 5.0090



162.1960, 73.4460, 23.5740



144.4300, -35.0670, -41.8110

Complementary

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



146.8220, -89.9110, 5.0090



172.1780, 89.9110, -5.0090

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.



153.6840, 14.1280, -35.7920



146.8220, -89.9110, 5.0090



160.8030, 69.2780, -0.0180

Square

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



146.8220, -89.9110, 5.0090



164.4940, 58.5880, 39.5480



157.9660, 48.9250, -22.1390



126.7210, -101.9140, -47.3060

Rectangle

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



146.8220, -89.9110, 5.0090



167.5270, 10.2630, 39.7910



157.9660, 48.9250, -22.1390



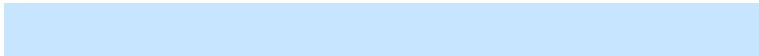
148.3520, -17.2320, -40.1440

Sweetspot

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



146.8220, -89.9110, 5.0090



222.9940, -26.2260, 1.7260



185.9210, -80.1310, -73.1470



108.4420, -15.8640, 1.1600



0.0000, 0.0000, 0.0000



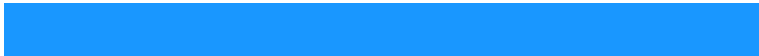
128.0000, -0.0000, -0.0000

Same Dimension

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



146.8220, -89.9110, 5.0090



125.1820, -108.4800, 5.6320



91.6440, -64.0610, 54.1710



120.5910, -6.0980, 0.3820



82.8220, -89.9110, 5.0090



27.8410, -30.1690, 1.5990

Inverse Universe

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



132.9650, 80.4520, 72.8360



108.1340, 96.6340, 87.9460



227.3560, 64.0610, -54.1710



119.6850, 5.5010, 4.9330



68.9650, 80.4520, 72.8360



23.1260, 26.9090, 24.4530

Previews

White Background



This preview shows how the YIQ color 146.8220, -89.9110, 5.0090 looks on a white background.

Color Contrast Check

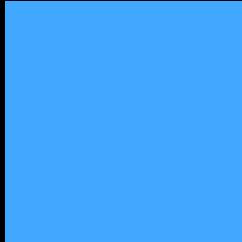
Large Text (above 18pt) WCAG AA × Fail

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 146.8220, -89.9110, 5.0090 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

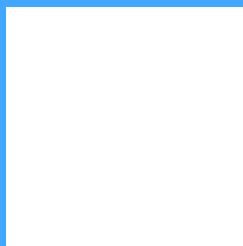
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 146.8220, -89.9110, 5.0090

Background



This preview shows how black text looks on a background with the YIQ color 146.8220, -89.9110, 5.0090.

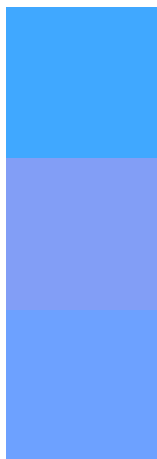


This preview shows how white text looks on a background with the YIQ color 146.8220, -89.9110,

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

146.8220, -89.9110, 5.0090

Protanopia

159.6600, -44.9360, 21.4320

Deuteranopia

156.1680, -61.1660, 18.2100



Tritanopia

127.0750, -111.1780, -33.5940

Trichromacy



Original Color

146.8220, -89.9110, 5.0090

Protanomaly

155.1740, -61.3030, 15.1850

Deuteranomaly

153.1450, -71.5270, 13.2490

Tritanomaly

134.2260, -103.7530, -19.4730

Monochromacy



Original Color

146.8220, -89.9110, 5.0090

Achromatopsia

147.0000, -0.0000, 0.0000

Achromatomaly

147.1720, -32.5990, 1.5850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 146.8220, -89.9110, 5.0090 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(64, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 168, 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(64, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 168, 255) }
```

Border

The CSS property to change the border of an element to YIQ 146.8220, -89.9110, 5.0090 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(64, 168, 255) }
```


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

```
.border{ border-color:rgb(64, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 168,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 146.8220, -89.9110, 5.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 168, 255) }
```

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

```
.background{ background-color: rgb(64, 168,  
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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