

Converting Colors

YIQ(168.4200, -116.2230,
-24.7590)

Have a look what the booklet for
YIQ(168.4200, -116.2230, -24.7590)
contains.

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Color

**YIQ(168.4200, -116.2230,
-24.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD8FF
RGB	42, 216, 255
RGB Percent	16%, 85%, 100%
CMY	0.8356, 0.1526, 0.0005
CMYK	0.84, 0.15, 0.00, 0.00
HSL	191°, 100%, 58%
HSV	191°, 84%, 100%
XYZ	43.5552, 56.8514, 103.1798
YIQ	168.4200, -116.2230, -24.7590

Conversions

Conversions Part 2

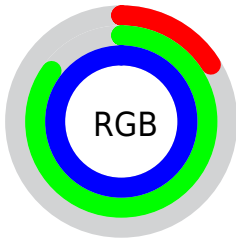
Format	Color
R_{YB}	42, 138, 255
Decimal	2808063
CIE _{Lab}	80.10, -28.72, -30.76
CIE _{LCh}	80, 42.089, 226.962
Yxy	56.8514, 0.2139, 0.2792
Android (android.graphics.Color)	4280998143 (0xFF2AD8FF)
YUV	168.4200, 42.6839, -110.8703
Hunter-Lab	75.3998, -28.8379, -28.3546

Details

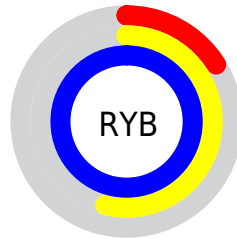
The YIQ color **168.4200, -116.2230, -24.7590** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **128.5800, 116.2230, 24.7590**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **216.4290, -76.8840, -27.3480**, and **117.0790, -107.8330, -22.6250** is the 20% darker color. If you saturate the color by 10%, you get **157.7110, -130.3440, -27.6560**, and if you desaturate by 10%, it is **178.8300, -102.6980, -22.0740**.

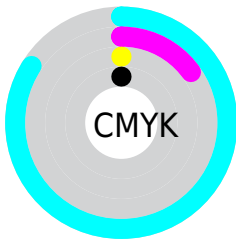
Distribution



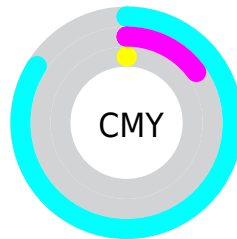
- Red (16%)
- Green (85%)
- Blue (100%)



- Red (16%)
- Yellow (54%)
- Blue (100%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.4200, -116.2230, -24.7590 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 168.4200, -116.2230, -24.7590 by changing the saturation by 10% instead.

168.4200,
-116.2230, -24.7590

168.4200,
-116.2230, -24.7590

255.0000, -0.0000,
-0.0000

136.1200,
-124.2460, -28.0380

216.4290,
-76.8840, -27.3480

117.0790,
-107.8330, -22.6250

226.5950,
-56.6200, -20.1400

98.1520, -91.7410,
-16.9010

236.1630,
-37.5480, -13.3560

80.3990, -76.1990,
-12.2230

245.7310,
-18.4760, -6.5720

62.7600, -60.9780,
-7.2340

46.4090, -46.6280,
-2.9800

30.8730, -33.1950,

1.3730

■ 7.7060, -16.1870,
12.5250

■ 3.5510, -8.6210,
7.5630

■ 168.4200,
-116.2230, -24.7590

■ 168.4200,
-116.2230, -24.7590

■ 157.7110,
-130.3440, -27.6560

■ 178.8300,
-102.6980, -22.0740

■ 151.1660,
-139.0550, -29.4790

■ 188.9520,
-88.3020, -18.6540

■ 199.3620,
-74.7770, -15.9690

■ 210.0710,
-60.6560, -13.0720

■ 219.8940,
-46.8560, -9.8640

■ 230.6030,
-32.7350, -6.9670

■ 241.0130,
-19.2100, -4.2820

■ 251.1350, -4.8140,
-0.8620

■ 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.



169.1700, -101.3200, -36.0400



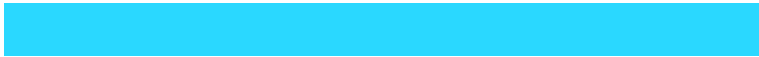
168.4200, -116.2230, -24.7590



184.3550, -72.8990, -5.9470

Triad

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



168.4200, -116.2230, -24.7590



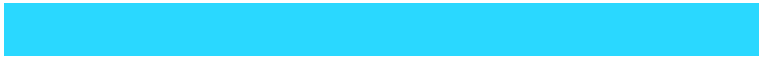
200.7730, 35.5730, 32.6370



193.4670, 25.4050, -25.4030

Complementary

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



168.4200, -116.2230, -24.7590



128.5800, 116.2230, 24.7590

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.



197.1980, 51.6280, -10.5480



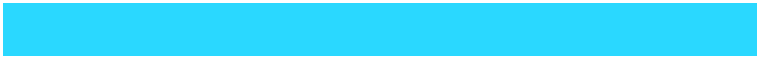
168.4200, -116.2230, -24.7590



195.7400, 48.3670, 21.0310

Square

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



168.4200, -116.2230, -24.7590



203.5710, 6.9630, 33.5150



196.4460, 57.4020, 5.9620



188.6890, -10.6310, -33.1190

Rectangle

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



168.4200, -116.2230, -24.7590



192.8260, -43.0080, 8.5120



196.4460, 57.4020, 5.9620



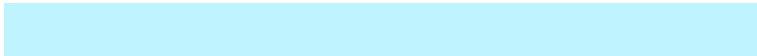
195.0770, 35.4910, -20.9650

Sweetspot

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



168.4200, -116.2230, -24.7590



228.8200, -34.8440, -7.2920



171.0210, -69.8100, -100.5140



112.2300, -21.3190, -4.6070



0.0000, 0.0000, 0.0000



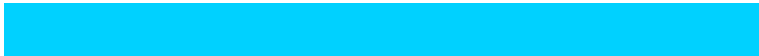
128.0000, -0.0000, -0.0000

Same Dimension

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



168.4200, -116.2230, -24.7590



151.7530, -139.3300, -30.0020



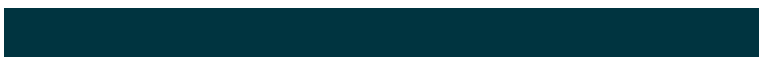
107.9590, -87.8980, 29.1100



122.3520, -6.9230, -1.1870



113.3460, -104.2110, -22.1870



37.8200, -34.8440, -7.2920

Inverse Universe

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



125.5230, 71.0940, 99.2700



100.0710, 84.8910, 119.0590



189.0410, 87.8980, -29.1100



120.0270, 4.5380, 5.8660



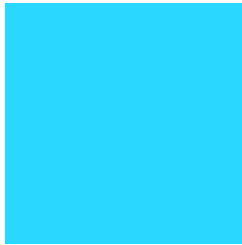
74.8930, 63.7600, 89.0080



25.0640, 21.4520, 29.7400

Previews

White Background



This preview shows how the YIQ color 168.4200, -116.2230, -24.7590 looks on a white background.

Color Contrast Check

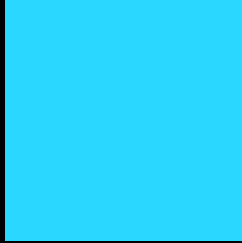
Large Text (above 18pt) WCAG AA × Fail

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 168.4200, -116.2230, -24.7590 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 168.4200, -116.2230, -24.7590 Background



This preview shows how black text looks on a background with the YIQ color 168.4200, -116.2230, -24.7590.



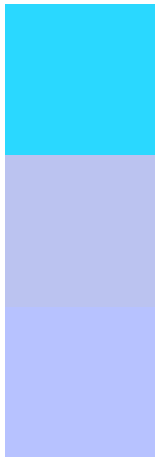
This preview shows how white text looks on a background with the YIQ color 168.4200, -116.2230, -24.7590.

-24.7590.

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

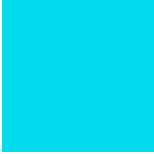
168.4200, -116.2230, -24.7590

Protanopia

197.7380, -19.2130, 12.2990

Deuteranopia

197.6650, -26.1370, 16.6390



Tritanopia

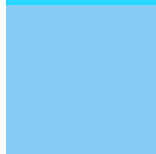
155.5710, -136.3020, -40.8300

Trichromacy



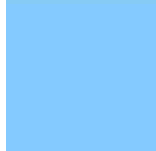
Original Color

168.4200, -116.2230, -24.7590



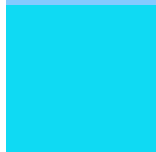
Protanomaly

187.1570, -54.6060, -1.5660



Deuteranomaly

187.1120, -58.7330, 1.6430



Tritanomaly

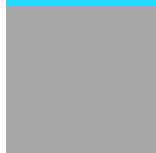
160.1530, -129.0130, -35.2610

Monochromacy



Original Color

168.4200, -116.2230, -24.7590



Achromatopsia

168.0000, -0.0000, -0.0000



Achromatomaly

167.8730, -42.3630, -8.6910

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.4200, -116.2230, -24.7590 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(42, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 216, 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(42, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 216, 255) }
```

Border

The CSS property to change the border of an element to YIQ 168.4200, -116.2230, -24.7590 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(42, 216, 255) }
```


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

```
.border{ border-color:rgb(42, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 216,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 168.4200, -116.2230, -24.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 216, 255) }
```

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

```
.background{ background-color: rgb(42, 216,  
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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