

Converting Colors

YIQ(162.9720, -135.7530,
-34.2570)

Have a look what the booklet for
YIQ(162.9720, -135.7530, -34.2570)
contains.

YIQ(162.9720, -135.7530, -34.2570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(162.9720, -135.7530,
-34.2570)**

Conversions

Conversions Part 1

Format	Color
Hex	0CDEFF
RGB	12, 222, 255
RGB Percent	5%, 87%, 100%
CMY	0.9532, 0.1291, 0.0006
CMYK	0.95, 0.13, 0.00, 0.00
HSL	188°, 100%, 52%
HSV	188°, 95%, 100%
XYZ	44.3215, 59.5775, 103.6500
YIQ	162.9720, -135.7530, -34.2570

Conversions

Conversions Part 2

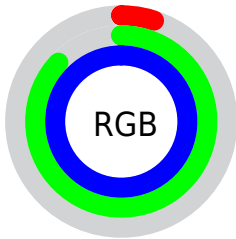
Format	Color
R _Y B	12, 125, 255
Decimal	843519
CIE Lab	81.61, -32.99, -28.45
CIE LCh	82, 43.569, 220.773
Yxy	59.5775, 0.2135, 0.2871
Android (android.graphics.Color)	4279033599 (0xFF0CDEFF)
YUV	162.9720, 45.3698, -132.4024
Hunter-Lab	77.1865, -32.5793, -25.5871

Details

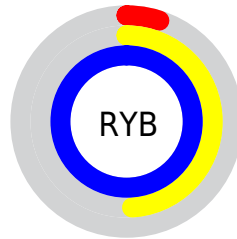
The YIQ color **162.9720, -135.7530, -34.2570** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **104.0280, 135.7530, 34.2570**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **214.0370, -81.6520, -29.0440**, and **120.0140, -109.2080, -25.2400** is the 20% darker color. If you saturate the color by 10%, you get **158.2100, -142.3550, -35.7550**, and if you desaturate by 10%, it is **172.7950, -121.9530, -31.0490**.

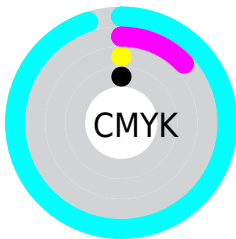
Distribution



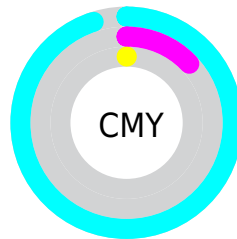
- Red (5%)
- Green (87%)
- Blue (100%)



- Red (5%)
- Yellow (49%)
- Blue (100%)



- Cyan (95%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 162.9720, -135.7530, -34.2570 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 162.9720, -135.7530, -34.2570 by changing the saturation by 10% instead.

162.9720,
-135.7530, -34.2570

162.9720,
-135.7530, -34.2570

255.0000, -0.0000,
-0.0000

139.6420,
-125.8960, -31.1760

214.0370,
-81.6520, -29.0440

120.6010,
-109.4830, -25.7630

224.5020,
-60.7920, -21.6240

101.6740,
-93.3910, -20.0390

234.3690,
-41.1240, -14.6280

83.3340, -77.5740,
-14.8380

243.9370,
-22.0520, -7.8440

65.6950, -62.3530,
-9.8490

253.8040, -2.3840,
-0.8480

48.8710, -48.0490,
-4.7610

33.2210, -34.2950,

-0.7190

■ 13.5760, -18.9370,
7.2950

■ 3.5510, -8.6210,
7.5630

■ 162.9720,
-135.7530, -34.2570

■ 162.9720,
-135.7530, -34.2570

■ 158.2100,
-142.3550, -35.7550

■ 172.7950,
-121.9530, -31.0490

■ 182.3300,
-107.2820, -27.1060

■ 191.5660,
-93.2070, -23.3750

■ 201.6880,
-78.8110, -19.9550

■ 210.9240,
-64.7360, -16.2240

■ 221.0460,
-50.3400, -12.8040

■ 230.2820,
-36.2650, -9.0730

■ 240.4040,
-21.8690, -5.6530

■ 249.6400, -7.7940,
-1.9220

Harmonies

Analogous

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



173.8560, -97.5600, -38.1040



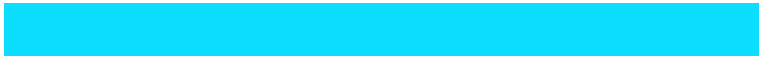
162.9720, -135.7530, -34.2570



183.0930, -84.0850, -12.4770

Triad

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



162.9720, -135.7530, -34.2570



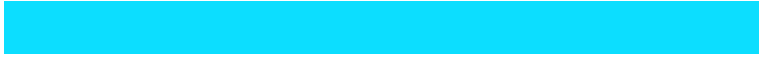
205.3040, 29.7040, 34.3760



198.4140, 32.9240, -24.0040

Complementary

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



162.9720, -135.7530, -34.2570



104.0280, 135.7530, 34.2570

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.



201.8290, 57.2210, -7.2830



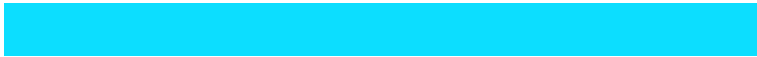
162.9720, -135.7530, -34.2570



198.1680, 44.2860, 23.4060

Square

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



162.9720, -135.7530, -34.2570



206.4130, 1.4160, 29.4160



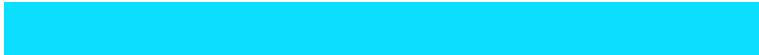
197.9450, 54.5590, 7.9270



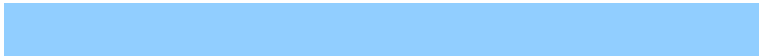
193.5820, -3.0200, -33.3880

Rectangle

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



162.9720, -135.7530, -34.2570



193.3470, -52.0850, 2.3070



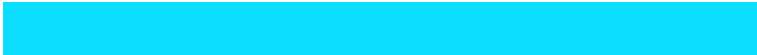
197.9450, 54.5590, 7.9270



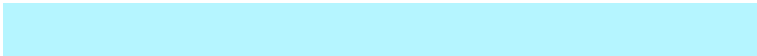
200.1380, 42.6890, -19.2550

Sweetspot

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



162.9720, -135.7530, -34.2570



227.0040, -41.3540, -10.4580



158.2890, -77.0970, -117.1370



110.4360, -24.8950, -5.8790



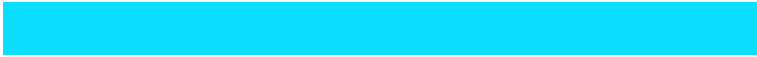
0.0000, 0.0000, 0.0000



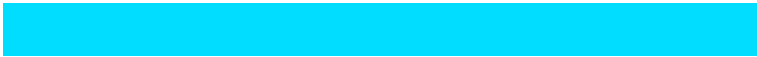
128.0000, -0.0000, -0.0000

Same Dimension

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



162.9720, -135.7530, -34.2570



158.7970, -142.6300, -36.2780



91.9450, -102.4780, 29.0260



122.9390, -7.1980, -1.7100



118.6290, -106.6860, -26.8940



39.5810, -35.6690, -8.8610

Inverse Universe

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



108.5970, 77.4180, 116.8260



101.4390, 81.0390, 122.7910



175.0550, 102.4780, -29.0260



120.1410, 4.2170, 6.1770



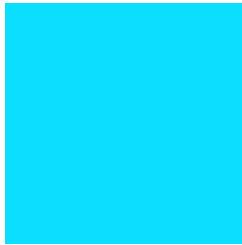
75.9190, 60.8710, 91.8070



25.4060, 20.4890, 30.6730

Previews

White Background



This preview shows how the YIQ color 162.9720, -135.7530, -34.2570 looks on a white background.

Color Contrast Check

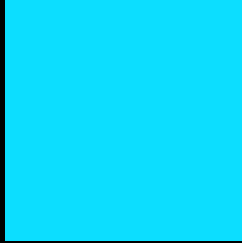
Large Text (above 18pt) WCAG AA × Fail

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 162.9720, -135.7530, -34.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

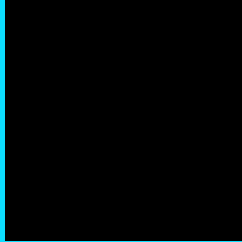
Any Text WCAG AA ✓ Pass

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 162.9720, -135.7530, -34.2570 Background



This preview shows how black text looks on a background with the YIQ color 162.9720, -135.7530, -34.2570.



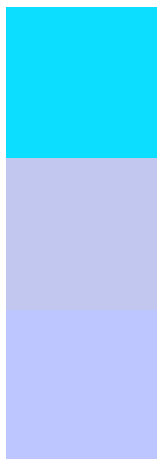
This preview shows how white text looks on a background with the YIQ color 162.9720, -135.7530, -34.2570.

-34.2570.

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

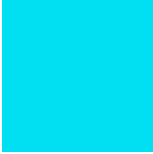
162.9720, -135.7530, -34.2570

Protanopia

201.7660, -16.4160, 11.1680

Deuteranopia

202.1060, -23.0650, 16.0310



Tritanopia

159.0760, -139.2820, -41.8900

Trichromacy



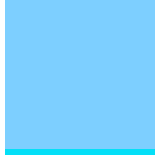
Original Color

162.9720, -135.7530, -34.2570



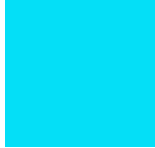
Protanomaly

187.4120, -59.8780, -5.1420



Deuteranomaly

187.9540, -64.2800, -2.4560



Tritanomaly

160.2550, -138.2280, -38.9640

Monochromacy



Original Color

162.9720, -135.7530, -34.2570



Achromatopsia

163.0000, -0.0000, -0.0000



Achromatomaly

162.6440, -49.1480, -12.3800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 162.9720, -135.7530, -34.2570 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(12, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 222, 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(12, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 222, 255) }
```

Border

The CSS property to change the border of an element to YIQ 162.9720, -135.7530, -34.2570 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(12, 222, 255) }
```


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

```
.border{ border-color:rgb(12, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 222,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 162.9720, -135.7530, -34.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 222, 255) }
```

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

```
.background{ background-color: rgb(12, 222,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor