

Converting Colors

YIQ(142.5650, -91.4660,
-16.3780)

Have a look what the booklet for
YIQ(142.5650, -91.4660, -16.3780)
contains.

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Color

**YIQ(142.5650, -91.4660,
-16.3780)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2DB2D8 |
| RGB | 45, 178, 216 |
| RGB Percent | 18%, 70%, 85% |
| CMY | 0.8238, 0.3017, 0.1533 |
| CMYK | 0.79, 0.18, 0.00, 0.15 |
| HSL | 193°, 69%, 51% |
| HSV | 193°, 79%, 85% |
| XYZ | 29.3922, 37.3720, 70.5623 |
| YIQ | 142.5650, -91.4660, -16.3780 |

Conversions

Conversions Part 2

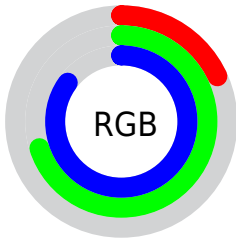
| Format | Color |
|-------------------------------------|---|
| RYB | 45, 120, 216 |
| Decimal | 2994904 |
| CIELab | 67.56, -22.03, -29.01 |
| CIELCh | 68, 36.433, 232.786 |
| Yxy | 37.3720, 0.2140, 0.2721 |
| Android (android.graphics.Color) | 4281184984 (0xFF2DB2D8) |
| YUV | 142.5650, 36.2035, -85.5645 |
| Hunter-Lab | 61.1326, -21.1604, -25.6426 |

Details

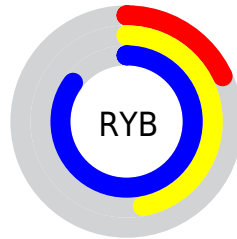
The YIQ color **142.5650, -91.4660, -16.3780** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **118.4350, 91.4660, 16.3780**, and the grayscale version is **142.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **201.7100, -75.8770, -18.0610**, and **91.7290, -86.0560, -15.3040** is the 20% darker color. If you saturate the color by 10%, you get **133.0520, -103.2030, -18.4270**, and if you desaturate by 10%, it is **152.0780, -79.7290, -14.3290**.

Distribution



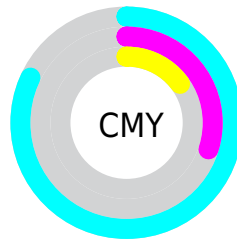
- Red (18%)
- Green (70%)
- Blue (85%)



- Red (18%)
- Yellow (47%)
- Blue (85%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (82%)
- Magenta (30%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 142.5650, -91.4660, -16.3780 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 142.5650, -91.4660, -16.3780 by changing the saturation by 10% instead.

■ 142.5650,
-91.4660, -16.3780

■ 142.5650,
-91.4660, -16.3780

■ 255.0000, -0.0000,
-0.0000

■ 110.0690,
-101.8730, -20.5050

■ 201.7100,
-75.8770, -18.0610

■ 91.7290, -86.0560,
-15.3040

■ 223.6050,
-62.5800, -22.2600

■ 74.0900, -70.8350,
-10.3150

■ 232.5750,
-44.7000, -15.9000

■ 57.0380, -55.8890,
-5.8490

■ 241.8440,
-26.2240, -9.3280

■ 40.8010, -41.8600,
-1.2840

■ 251.1130, -7.7480,
-2.7560

■ 26.3250, -28.6560,
1.7120

■ 6.2070, -13.3440,

10.5600

■ 2.5250, -5.7320,
4.7640

■ 0.0000, 0.0000,
0.0000

■ 142.5650,
-91.4660, -16.3780

■ 142.5650,
-91.4660, -16.3780

■ 133.0520,
-103.2030, -18.4270

■ 152.0780,
-79.7290, -14.3290

■ 124.4250,
-114.6190, -20.7870

■ 161.2920,
-68.5880, -12.4920

■ 123.2400,
-115.5360, -20.6880

■ 170.2180,
-56.5760, -9.9200

■ 179.4320,
-45.4350, -8.0830

■ 188.9450,
-33.6980, -6.0340

■ 198.1590,
-22.5570, -4.1970

■ 207.6720,
-10.8200, -2.1480

■ 216.5980, 1.1920,
0.4240

■ 225.8120, 12.3330,
2.2610

Harmonies

Analogous

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



138.2470, -91.0510, -29.4110



142.5650, -91.4660, -16.3780



156.6930, -58.8710, 4.1450

Triad

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



142.5650, -91.4660, -16.3780



168.6930, 38.5540, 28.1700



159.6710, 16.1430, -22.7450

Complementary

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



142.5650, -91.4660, -16.3780



118.4350, 91.4660, 16.3780

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.



162.9130, 39.2490, -11.9750



142.5650, -91.4660, -16.3780



166.7250, 52.7230, 19.1790

Square

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



142.5650, -91.4660, -16.3780



168.8610, 11.7780, 28.8500



165.5270, 52.6800, 3.4320



155.3990, -15.4460, -28.4540

Rectangle

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



142.5650, -91.4660, -16.3780



163.5330, -34.5730, 15.3390



165.5270, 52.6800, 3.4320



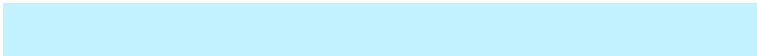
160.8570, 24.4870, -19.7770

Sweetspot

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



142.5650, -91.4660, -16.3780



228.5430, -32.5060, -5.6100



149.5950, -58.9020, -77.9260



111.6540, -19.5770, -3.1370



0.0000, 0.0000, 0.0000



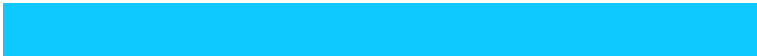
128.0000, -0.0000, -0.0000

Same Dimension

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



142.5650, -91.4660, -16.3780



150.9440, -129.3820, -23.0620



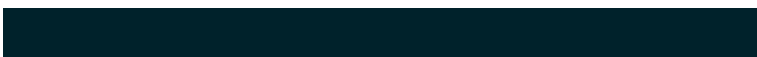
92.6700, -68.0910, 28.0770



102.5370, -6.0060, -1.2860



97.5650, -91.4660, -16.3780



24.8600, -23.1530, -4.4090

Inverse Universe

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



111.2910, 59.2230, 77.6150



106.7900, 83.8840, 109.7720



167.7430, 68.3660, -27.5540



100.3150, 3.6670, 5.1310



66.2910, 59.2230, 77.6150



16.7330, 14.7140, 19.6900

Previews

White Background



This preview shows how the YIQ color 142.5650, -91.4660, -16.3780 looks on a white background.

Color Contrast Check

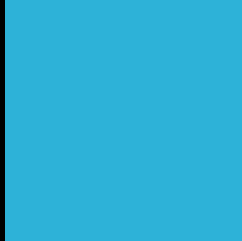
Large Text (above 18pt) WCAG AA × Fail

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 142.5650, -91.4660, -16.3780 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 142.5650, -91.4660, -16.3780 Background



This preview shows how black text looks on a background with the YIQ color 142.5650, -91.4660, -16.3780.

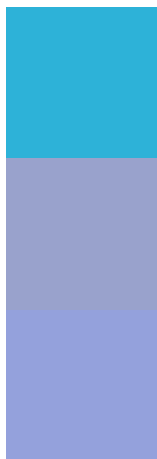


This preview shows how white text looks on a background with the YIQ color 142.5650, -91.4660, -16.3780.

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

142.5650, -91.4660, -16.3780

Protanopia

164.0970, -18.8460, 11.1540

Deuteranopia

163.8390, -26.6870, 15.5930



Tritanopia

133.9730, -101.9630, -29.8910

Trichromacy



Original Color

142.5650, -91.4660, -16.3780

Protanomaly

156.4140, -45.0240, 0.9920

Deuteranomaly

156.1840, -50.0680, 4.3000

Tritanomaly

137.1740, -97.9750, -25.0710

Monochromacy



Original Color

142.5650, -91.4660, -16.3780

Achromatopsia

143.0000, -0.0000, 0.0000

Achromatomaly

142.9450, -33.6980, -6.0340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 142.5650, -91.4660, -16.3780 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(45, 178, 216)` looks like.

```
.text, #text, p{  
    color:rgb(45, 178, 216)  
}
```

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(45, 178, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 178, 216) }
```

Border

The CSS property to change the border of an element to YIQ 142.5650, -91.4660, -16.3780 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(45, 178, 216) }
```


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

```
.border{ border-color:rgb(45, 178, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 178, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 178, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 178, 216);  
box-shadow:4px 4px 4px 4px rgb(45, 178,  
216) }
```

Background

The CSS property to change the background color of an element to YIQ 142.5650, -91.4660, -16.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 178, 216) }
```

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

```
.background{ background-color: rgb(45, 178,  
216) }
```

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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