

Converting Colors

YIQ(216.7520, -13.8010, 2.3190)

Have a look what the booklet for
YIQ(216.7520, -13.8010, 2.3190)
contains.

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Color

**YIQ(216.7520, -13.8010,
2.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDBEC
RGB	205, 219, 236
RGB Percent	80%, 86%, 93%
CMY	0.1961, 0.1411, 0.0746
CMYK	0.13, 0.07, 0.00, 0.07
HSL	213°, 45%, 86%
HSV	213°, 13%, 93%
XYZ	65.6461, 69.6996, 89.3371
YIQ	216.7520, -13.8010, 2.3190

Conversions

Conversions Part 2

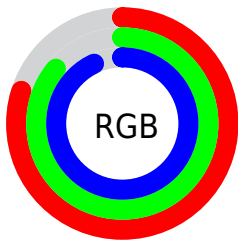
Format	Color
R _Y B	205, 215, 236
Decimal	13491180
CIE Lab	86.85, -1.35, -9.91
CIE LCh	87, 10.000, 262.269
Yxy	69.6996, 0.2922, 0.3102
Android (android.graphics.Color)	4291681260 (0xFFCDDBEC)
YUV	216.7520, 9.4893, -10.3065
Hunter-Lab	83.4863, -5.7446, -5.0048

Details

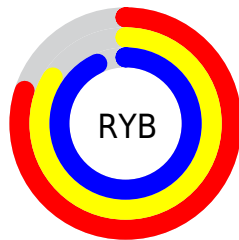
The YIQ color $216.7520, -13.8010, 2.3190$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $224.2480, 13.8010, -2.3190$, and the grayscale version is $217.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $161.9370, -12.8840, 2.2200$ is the 20% darker color. If you saturate the color by 10%, you get $201.9450, -24.5300, 4.0300$, and if you desaturate by 10%, it is $231.5590, -3.0720, 0.6080$.

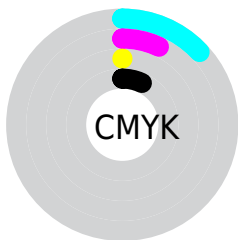
Distribution



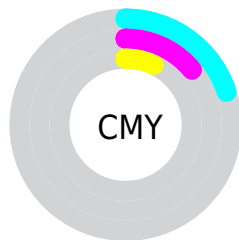
- Red (80%)
- Green (86%)
- Blue (93%)



- Red (80%)
- Yellow (84%)
- Blue (93%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 216.7520, -13.8010, 2.3190 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 216.7520, -13.8010, 2.3190 by changing the saturation by 10% instead.

■ 216.7520,
-13.8010, 2.3190

■ 216.7520,
-13.8010, 2.3190

255.0000, -0.0000,
-0.0000

■ 188.7520,
-13.8010, 2.3190

■ 161.9370,
-12.8840, 2.2200

■ 135.8230,
-12.5630, 1.9090

■ 109.8230,
-12.5630, 1.9090

■ 85.7090, -12.2420,
1.5980

■ 62.5950, -11.9210,
1.2870

■ 40.5950, -11.9210,

1.2870

■ 19.1820, -12.1960,
0.7640

■ 1.2540, -3.5310,
3.4210

■ 216.7520,
-13.8010, 2.3190

■ 216.7520,
-13.8010, 2.3190

■ 201.9450,
-24.5300, 4.0300

■ 231.5590, -3.0720,
0.6080

■ 187.4370,
-34.6630, 5.9530

■ 246.0670, 7.0610,
-1.3150

■ 172.6300,
-45.3920, 7.6640

■ 252.8340, 6.0990,
-5.9090

■ 158.1220,
-55.5250, 9.5870

■ 143.3150,
-66.2540, 11.2980

■ 128.5080,
-76.9830, 13.0090

■ 114.5870,
-87.3910, 14.4090

■ 99.7800, -98.1200,
16.1200

■ 89.7130,
-105.1810, 17.4350

Harmonies

Analogous

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



215.6650, -18.1100, -2.1900



216.7520, -13.8010, 2.3190



218.1660, -6.0990, 5.9090

Triad

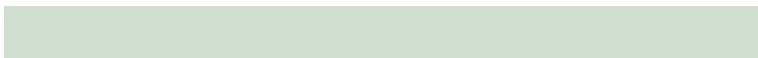
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



216.7520, -13.8010, 2.3190



219.0730, 16.0920, 5.7240



215.6910, -3.8040, -8.1560

Complementary

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



216.7520, -13.8010, 2.3190



224.2480, 13.8010, -2.3190

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.



216.5350, 5.5030, -6.1210



216.7520, -13.8010, 2.3190



218.7370, 16.9180, 1.7660

Square

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



216.7520, -13.8010, 2.3190



219.5010, 12.0110, 8.0990



217.6500, 12.6090, -2.7430



214.6130, -12.3320, -7.7880

Rectangle

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



216.7520, -13.8010, 2.3190



219.0420, 0.1820, 7.7180



217.6500, 12.6090, -2.7430



215.6590, -0.7780, -7.9300

Sweetspot

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



216.7520, -13.8010, 2.3190



248.4880, -4.3100, 1.0180



225.1350, -13.9820, -10.9260



123.5590, -3.0720, 0.6080



0.0000, 0.0000, 0.0000



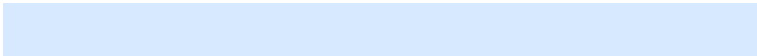
128.0000, -0.0000, -0.0000

Same Dimension

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



216.7520, -13.8010, 2.3190



229.8270, -18.3860, 2.8140



208.8330, -9.3550, 9.8530



110.1890, -4.9060, 0.8060



68.7680, -80.6510, 13.4050



20.2440, -23.9340, 4.2420

Inverse Universe

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



215.8650, 13.9820, 10.9260



228.4250, 18.3370, 14.6010



232.1670, 9.3550, -9.8530



109.8590, 4.9510, 3.8870



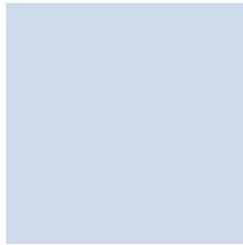
63.4670, 81.5540, 63.8740



18.8820, 24.4800, 18.9120

Previews

White Background



This preview shows how the YIQ color 216.7520, -13.8010, 2.3190 looks on a white background.

Color Contrast Check

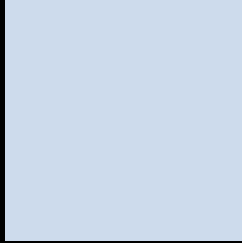
Large Text (above 18pt) WCAG AA × Fail

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 216.7520, -13.8010, 2.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

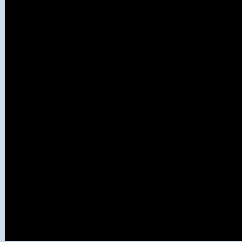
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

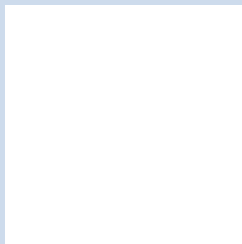
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 216.7520, -13.8010, 2.3190

Background



This preview shows how black text looks on a background with the YIQ color 216.7520, -13.8010, 2.3190.



This preview shows how white text looks on a background with the YIQ color 216.7520, -13.8010,

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

216.7520, -13.8010, 2.3190

Protanopia

218.0520, -5.7780, 5.5980

Deuteranopia

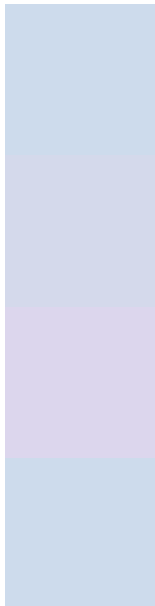
219.4600, 2.0610, 12.2130



Tritanopia

216.7520, -13.8010, 2.3190

Trichromacy



Original Color

216.7520, -13.8010, 2.3190

Protanomaly

217.5570, -8.7580, 4.5380

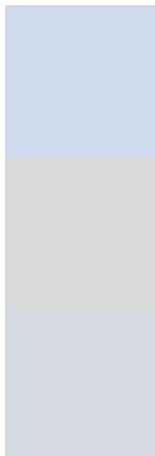
Deuteranomaly

218.4160, -3.8070, 8.4250

Tritanomaly

216.7520, -13.8010, 2.3190

Monochromacy



Original Color

216.7520, -13.8010, 2.3190

Achromatopsia

217.0000, -0.0000, 0.0000

Achromatomaly

217.1890, -4.9060, 0.8060

CSS Examples

Text

The CSS property to change the color of the text to YIQ 216.7520, -13.8010, 2.3190 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(205, 219, 236)` looks like.

```
.text, #text, p{  
    color:rgb(205, 219, 236)  
}
```

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(205, 219, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 219, 236) }
```

Border

The CSS property to change the border of an element to YIQ 216.7520, -13.8010, 2.3190 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(205, 219, 236) }
```


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

```
.border{ border-color:rgb(205, 219, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 219, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 219, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 219, 236);  
box-shadow:4px 4px 4px 4px rgb(205, 219,  
236) }
```

Background

The CSS property to change the background color of an element to YIQ 216.7520, -13.8010, 2.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 219, 236) }
```

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

```
.background{ background-color: rgb(205,  
219, 236) }
```

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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