

Converting Colors

YIQ(217.2780, -2.9380, 20.2140)

Have a look what the booklet for
YIQ(217.2780, -2.9380, 20.2140)
contains.

YIQ(217.2780, -2.9380, 20.2140)	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(217.2780, -2.9380,
20.2140)**

Conversions

Conversions Part 1

Format	Color
Hex	E3CDFF
RGB	227, 205, 255
RGB Percent	89%, 80%, 100%
CMY	0.1097, 0.1961, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	266°, 100%, 90%
HSV	266°, 20%, 100%
XYZ	71.5623, 67.2118, 103.7983
YIQ	217.2780, -2.9380, 20.2140

Conversions

Conversions Part 2

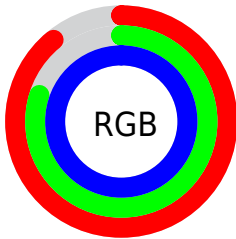
Format	Color
R _Y B	227, 205, 255
Decimal	14929407
CIE Lab	85.61, 16.89, -21.65
CIE LCh	86, 27.456, 307.965
Yxy	67.2118, 0.2950, 0.2771
Android (android.graphics.Color)	4293119487 (0xFFE3CDFF)
YUV	217.2780, 18.5969, 8.5262
Hunter-Lab	81.9828, 12.3417, -17.6790

Details

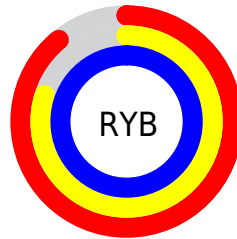
The YIQ color $217.2780, -2.9380, 20.2140$ is a light color, and the websafe version is hex $CCCCFF$. A complement of this color would be $242.7220, 2.9380, -20.2140$, and the grayscale version is $217.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $162.3380, -3.1670, 18.8570$ is the 20% darker color. If you saturate the color by 10%, you get $197.8300, -4.1320, 30.8440$, and if you desaturate by 10%, it is $236.1390, -1.4690, 10.1070$.

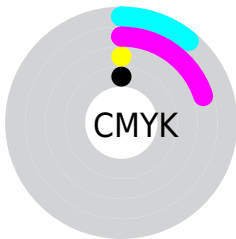
Distribution



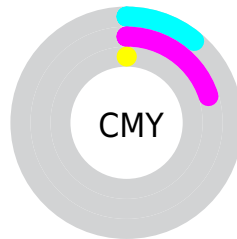
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 217.2780, -2.9380, 20.2140 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 217.2780, -2.9380, 20.2140 by changing the saturation by 10% instead.

■ 217.2780, -2.9380,
20.2140

■ 217.2780, -2.9380,
20.2140

255.0000, -0.0000,
-0.0000

■ 189.1640, -2.6170,
19.9030

■ 162.3380, -3.1670,
18.8570

■ 136.2240, -2.8460,
18.5460

■ 110.6970, -2.8000,
17.7120

■ 85.8710, -3.3500,
16.6660

■ 62.4580, -3.6250,
16.1430

■ 39.9310, -3.5790,

15.3090

■ 18.4040, -3.5330,
14.4750

■ 3.5510, -8.6210,
7.5630

■ 217.2780, -2.9380,
20.2140

■ 217.2780, -2.9380,
20.2140

■ 197.8300, -4.1320,
30.8440

■ 236.1390, -1.4690,
10.1070

■ 178.6700, -6.1970,
40.7390

255.0000, -0.0000,
-0.0000

■ 159.2220, -7.3910,
51.3690

■ 140.3610, -8.8600,
61.4760

■ 121.5000,
-10.3290, 71.5830

■ 101.7530,
-12.1190, 82.0010

■ 82.8920, -13.5880,
92.1080

■ 63.4440, -14.7820,
102.7380

■ 62.5580, -15.1030,
103.0490

Harmonies

Analogous

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



212.0960, -26.2730, 8.0870



217.2780, -2.9380, 20.2140



218.5490, 21.2240, 22.8560

Triad

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



217.2780, -2.9380, 20.2140



214.7100, 38.7430, -2.8010



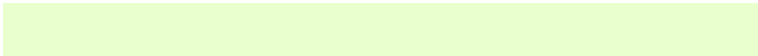
203.1570, -46.5790, -20.3950

Complementary

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



217.2780, -2.9380, 20.2140



242.7220, 2.9380, -20.2140

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.



205.5970, -24.5710, -22.7710



217.2780, -2.9380, 20.2140



212.3610, 23.2480, -13.8400

Square

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



217.2780, -2.9380, 20.2140



213.3330, 38.7870, 7.4190



208.9390, 0.8290, -20.5390



203.0390, -57.6300, -12.8460

Rectangle

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



217.2780, -2.9380, 20.2140



216.0350, 28.4230, 19.0390



208.9390, 0.8290, -20.5390



203.9250, -40.1140, -21.9220

Sweetspot

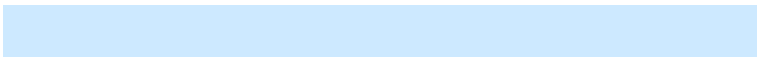
The Sweet Spot groups the original color and five complimentary colors.



217.2780, -2.9380, 20.2140



243.5040, -1.2390, 5.9370



227.1360, -23.7500, 0.9060



121.2220, -0.5050, 3.6470



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.



217.2780, -2.9380, 20.2140



209.0270, -3.4890, 24.6950



224.7530, 11.9620, 25.5140



117.9770, -1.1930, 5.1030



46.8900, -11.2470, 77.2090



15.6680, -3.8560, 25.8400

Inverse Universe

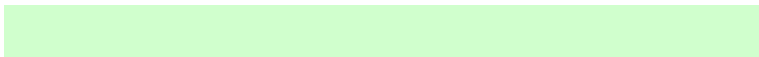
The Inverse Universe completely reimagines the original color for something new.



223.1420, 20.8120, 19.3080



216.1150, 25.4420, 23.5060



235.2470, -11.9620, -25.5140



119.6850, 5.5010, 4.9330



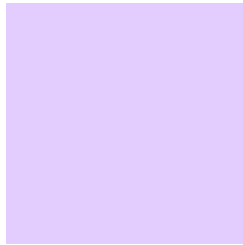
69.3070, 79.4890, 73.7690



23.2400, 26.5880, 24.7640

Previews

White Background



This preview shows how the YIQ color 217.2780, -2.9380, 20.2140 looks on a white background.

Color Contrast Check

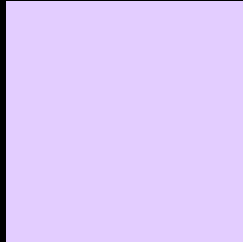
Large Text (above 18pt) WCAG AA × Fail

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 217.2780, -2.9380, 20.2140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

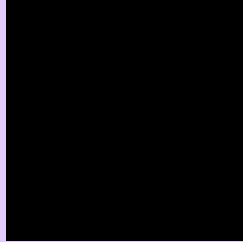
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 217.2780, -2.9380, 20.2140

Background



This preview shows how black text looks on a background with the YIQ color 217.2780, -2.9380, 20.2140.

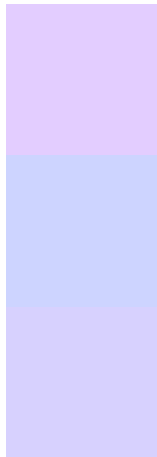


This preview shows how white text looks on a background with the YIQ color 217.2780, -2.9380,

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

217.2780, -2.9380, 20.2140

Protanopia

214.8090, -17.9750, 11.8890

Deuteranopia

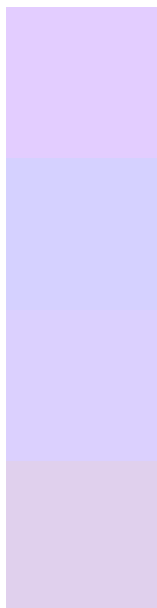
215.9240, -10.8690, 15.2670



Tritanopia

215.5260, 1.6950, 7.8310

Trichromacy



Original Color

217.2780, -2.9380, 20.2140

Protanomaly

215.4400, -12.3820, 15.1540

Deuteranomaly

216.5330, -8.2100, 16.6380

Tritanomaly

216.0900, 0.2270, 12.4110

Monochromacy



Original Color

217.2780, -2.9380, 20.2140

Achromatopsia

217.0000, -0.0000, 0.0000

Achromatomaly

217.4440, -1.0100, 7.2940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 217.2780, -2.9380, 20.2140 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(227, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 205, 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(227, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 205, 255) }
```

Border

The CSS property to change the border of an element to YIQ 217.2780, -2.9380, 20.2140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

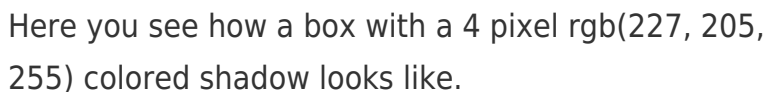
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 205, 255) }
```


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

```
.border{ border-color:rgb(227, 205, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 205, 255); box-shadow:4px 4px 4px 4px rgb(227, 205, 255) }
```

Background

The CSS property to change the background color of an element to YIQ 217.2780, -2.9380, 20.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 205, 255) }
```

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

```
.background{ background-color: rgb(227,  
205, 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