

Converting Colors

YIQ(228.6020, -49.3300,
-20.0980)

Have a look what the booklet for
YIQ(228.6020, -49.3300, -20.0980)
contains.

YIQ(228.6020, -49.3300, -20.0980)	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(228.6020, -49.3300,
-20.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFF9
RGB	169, 255, 249
RGB Percent	66%, 100%, 98%
CMY	0.3374, 0.0000, 0.0237
CMYK	0.34, 0.00, 0.02, 0.00
HSL	176°, 100%, 83%
HSV	176°, 34%, 100%
XYZ	69.2021, 86.7857, 102.6867
YIQ	228.6020, -49.3300, -20.0980

Conversions

Conversions Part 2

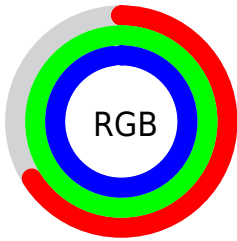
Format	Color
RYB	169, 214, 255
Decimal	11141113
CIELab	94.65, -27.12, -5.36
CIElCh	95, 27.641, 191.183
Yxy	86.7857, 0.2675, 0.3355
Android (android.graphics.Color)	4289331193 (0xFFA9FFF9)
YUV	228.6020, 10.0562, -52.2710
Hunter-Lab	93.1588, -30.4310, -0.1427

Details

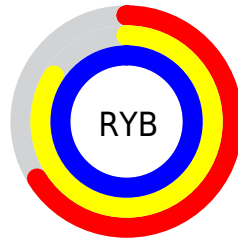
The YIQ color $228.6020, -49.3300, -20.0980$ is a light color, and the websafe version is hex $99FFFF$. A complement of this color would be $195.3980, 49.3300, 20.0980$, and the grayscale version is $229.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $246.6280, -16.6880, -5.9360$, and $172.0150, -49.0550, -19.5750$ is the 20% darker color. If you saturate the color by 10%, you get $220.6000, -64.1840, -26.2320$, and if you desaturate by 10%, it is $236.3050, -35.0720, -14.1760$.

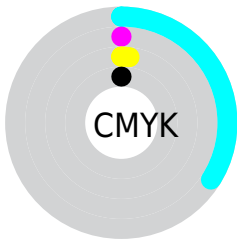
Distribution



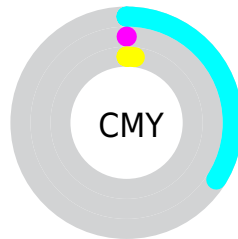
- Red (66%)
- Green (100%)
- Blue (98%)



- Red (66%)
- Yellow (84%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 228.6020, -49.3300, -20.0980 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 228.6020, -49.3300, -20.0980 by changing the saturation by 10% instead.

■ 228.6020,
-49.3300, -20.0980

■ 228.6020,
-49.3300, -20.0980

255.0000, -0.0000,
-0.0000

■ 199.9010,
-48.7340, -19.8860

■ 246.6280,
-16.6880, -5.9360

■ 172.0150,
-49.0550, -19.5750

■ 144.6020,
-49.3300, -20.0980

■ 117.1180,
-50.8430, -20.2110

■ 88.2420, -57.1240,
-22.0200

■ 64.7370, -54.1440,
-20.9600

■ 48.0270, -40.1610,

-15.5610

■ 32.0180, -26.7740,
-10.3740

■ 17.8840, -14.5330,
-6.4450

■ 228.6020,
-49.3300, -20.0980

■ 228.6020,
-49.3300, -20.0980

■ 220.6000,
-64.1840, -26.2320

■ 236.3050,
-35.0720, -14.1760

■ 212.8970,
-78.4420, -32.1540

■ 244.3070,
-20.2180, -8.0420

■ 205.0090,
-93.6170, -37.9770

■ 251.8960, -5.6390,
-2.4310

■ 197.3060,
-107.8750, -43.8990

■ 255.0000, -0.0000,
-0.0000

■ 189.3040,
-122.7290, -50.0330

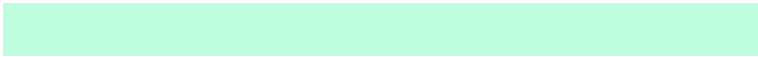
■ 181.6010,
-136.9870, -55.9550

■ 176.7030,
-146.2020, -59.6580

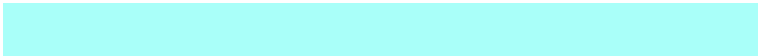
Harmonies

Analogous

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



231.2160, -27.8720, -23.5200



228.6020, -49.3300, -20.0980



227.5140, -51.8980, -17.6100

Triad

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



228.6020, -49.3300, -20.0980



239.7380, 7.1500, 13.5980



234.0890, 27.1900, -8.1860

Complementary

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



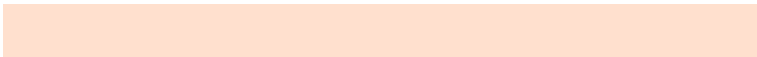
228.6020, -49.3300, -20.0980



195.3980, 49.3300, 20.0980

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.



231.2170, 24.2540, 0.9740



228.6020, -49.3300, -20.0980



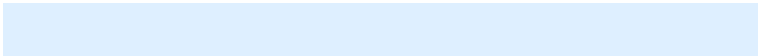
236.2160, 8.8000, 16.7360

Square

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



228.6020, -49.3300, -20.0980



235.7410, -15.2680, 1.3720



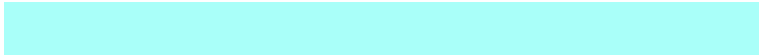
232.1920, 17.3750, 10.0070



237.5350, 22.6980, -14.8860

Rectangle

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



228.6020, -49.3300, -20.0980



228.4550, -44.2420, -13.1860



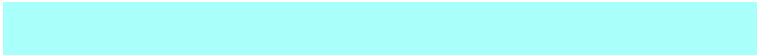
232.1920, 17.3750, 10.0070



232.7840, 26.7310, -5.3730

Sweetspot

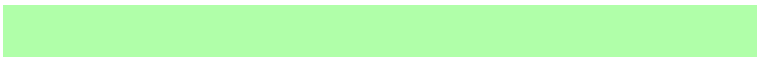
The Sweet Spot groups the original color and five complimentary colors.



228.6020, -49.3300, -20.0980



247.2970, -14.2580, -5.9220



221.5750, -19.4780, -43.4940



122.9880, -8.8940, -4.0140



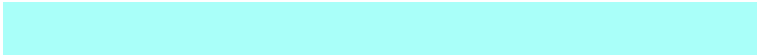
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

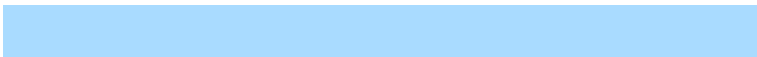
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228.6020, -49.3300, -20.0980



223.7040, -58.5450, -23.8010



208.1540, -41.3560, 0.5960



123.9990, -7.4270, -3.0670



132.4090, -109.6630, -44.5350



44.2940, -36.5390, -15.1230

Inverse Universe

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



195.3980, 49.3300, 20.0980



184.2960, 58.5450, 23.8010



215.8460, 41.3560, -0.5960



119.0010, 7.4270, 3.0670



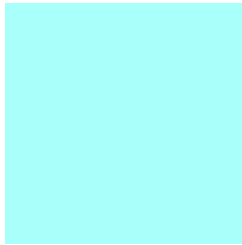
58.5910, 109.6630, 44.5350



19.5920, 36.8600, 14.8120

Previews

White Background



This preview shows how the YIQ color 228.6020, -49.3300, -20.0980 looks on a white background.

Color Contrast Check

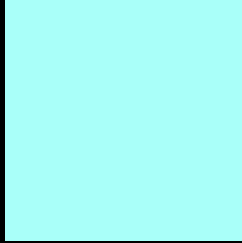
Large Text (above 18pt) WCAG AA × Fail

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 228.6020, -49.3300, -20.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

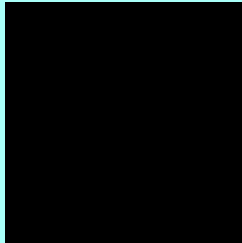
Any Text WCAG AA ✓ Pass

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 228.6020, -49.3300, -20.0980 Background



This preview shows how black text looks on a background with the YIQ color 228.6020, -49.3300, -20.0980.



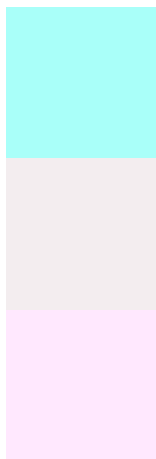
This preview shows how white text looks on a background with the YIQ color 228.6020, -49.3300, -20.0980.

-20.0980.

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

228.6020, -49.3300, -20.0980

Protanopia

239.0220, 2.9340, 1.8940

Deuteranopia

241.3850, 6.6460, 11.7180



Tritanopia

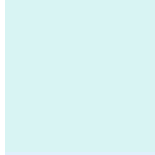
235.9740, -23.4740, -4.0980

Trichromacy



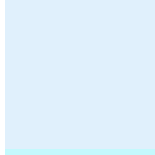
Original Color

228.6020, -49.3300, -20.0980



Protanomaly

235.5140, -16.3670, -6.2470



Deuteranomaly

236.5840, -13.3880, 0.3400



Tritanomaly

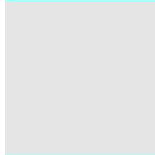
233.6090, -32.8720, -9.9920

Monochromacy



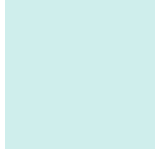
Original Color

228.6020, -49.3300, -20.0980



Achromatopsia

229.0000, -0.0000, -0.0000



Achromatomaly

228.5030, -17.8340, -7.1940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 228.6020, -49.3300, -20.0980 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(169, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 249)  
}
```

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(169, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 249) }
```

Border

The CSS property to change the border of an element to YIQ 228.6020, -49.3300, -20.0980 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(169, 255, 249) }
```


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

```
.border{ border-color:rgb(169, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
249) }
```

Background

The CSS property to change the background color of an element to YIQ 228.6020, -49.3300, -20.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 249) }
```

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

```
.background{ background-color: rgb(169,  
255, 249) }
```

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