

Converting Colors

YIQ(24.9960, -11.3720, 7.8600)

Have a look what the booklet for
YIQ(24.9960, -11.3720, 7.8600)
contains.

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Color

**YIQ(24.9960, -11.3720,
7.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	131733
RGB	19, 23, 51
RGB Percent	7%, 9%, 20%
CMY	0.9255, 0.9098, 0.8001
CMYK	0.63, 0.55, 0.00, 0.80
HSL	232°, 46%, 14%
HSV	232°, 63%, 20%
XYZ	1.1722, 0.9902, 3.2593
YIQ	24.9960, -11.3720, 7.8600

Conversions

Conversions Part 2

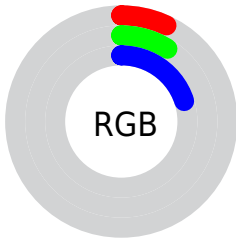
Format	Color
R_{YB}	19, 23, 51
Decimal	1251123
CIE Lab	8.91, 8.15, -19.15
CIE LCh	9, 20.814, 293.056
Yxy	0.9902, 0.2162, 0.1826
Android (android.graphics.Color)	4279441203 (0xFF131733)
YUV	24.9960, 12.8200, -5.2585
Hunter-Lab	9.9509, 3.6130, -12.4545

Details

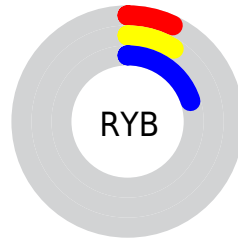
The YIQ color **24.9960, -11.3720, 7.8600** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **45.0040, 11.3720, -7.8600**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **68.4630, -11.1890, 10.0510**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.1530, -13.2520, 8.8920**, and if you desaturate by 10%, it is **28.8390, -9.4920, 6.8280**.

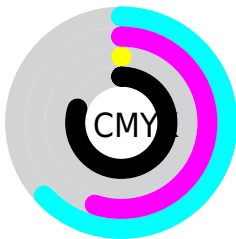
Distribution



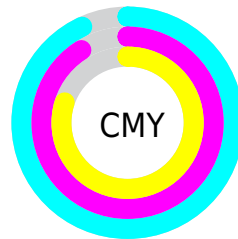
- Red (7%)
- Green (9%)
- Blue (20%)



- Red (7%)
- Yellow (9%)
- Blue (20%)



- Cyan (63%)
- Magenta (55%)
- Yellow (0%)
- Black (80%)



- Cyan (93%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.9960, -11.3720, 7.8600 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 24.9960, -11.3720, 7.8600 by changing the saturation by 10% instead.

■ 24.9960, -11.3720,
7.8600

■ 24.9960, -11.3720,
7.8600

■ 249.3960, -1.0550,
2.6010

■ 3.4200, -9.6300,
9.3300

■ 68.4630, -11.1890,
10.0510

■ 0.0000, 0.0000,
0.0000

■ 92.5770, -11.5100,
10.3620

■ 116.9900,
-11.2350, 10.8850

■ 143.1040,
-11.5560, 11.1960

■ 169.6310,
-11.6020, 12.0300

■ 196.7450,

-11.9230, 12.3410

■ 224.2890,
-10.6390, 11.0970

■ 24.9960, -11.3720,
7.8600

■ 24.9960, -11.3720,
7.8600

■ 21.1530, -13.2520,
8.8920

■ 28.8390, -9.4920,
6.8280

■ 16.7230, -14.8570,
10.4470

■ 33.2690, -7.8870,
5.2730

■ 12.8800, -16.7370,
11.4790

■ 37.1120, -6.0070,
4.2410

■ 9.3360, -18.0210,
12.7230

■ 41.5420, -4.4020,
2.6860

■ 45.3850, -2.5220,
1.6540

■ 50.1140, -0.3210,
0.3110

■ 53.9570, 1.5590,
-0.7210

■ 58.3870, 3.1640,
-2.2760

■ 62.2300, 5.0440,
-3.3080

Harmonies

Analogous

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



22.4780, -24.7130, 1.8390



24.9960, -11.3720, 7.8600



26.4280, 5.0870, 12.4390

Triad

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



24.9960, -11.3720, 7.8600



24.3200, 22.4660, 0.3380



21.1780, -15.5410, -10.2050

Complementary

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



24.9960, -11.3720, 7.8600



45.0040, 11.3720, -7.8600

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.



19.2080, -7.0580, -15.2660



24.9960, -11.3720, 7.8600



24.2650, 15.1310, -4.3970

Square

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



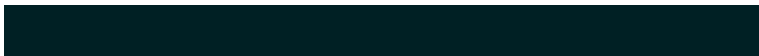
24.9960, -11.3720, 7.8600



24.0630, 22.0520, 7.8440



23.3130, 6.0080, -9.7680



22.8880, -20.3560, -5.5400

Rectangle

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



24.9960, -11.3720, 7.8600



25.2610, 12.9270, 13.5270



23.3130, 6.0080, -9.7680



20.6080, -13.9360, -11.7600

Sweetspot

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



24.9960, -11.3720, 7.8600



55.9550, -4.1270, 3.2090



40.9760, -17.7880, -8.0280



26.7980, -2.2470, 2.1770



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



24.9960, -11.3720, 7.8600



26.1080, -17.3790, 12.1010



26.2360, -3.1200, 12.4960



23.3420, -0.9630, 0.9330



16.6030, -31.5940, 21.9260



40.5870, -77.0820, 53.3660

Inverse Universe

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



29.0240, 17.7880, 8.0280



32.3350, 27.2780, 12.2540



43.7640, 3.1200, -12.4960



23.8970, 1.7880, 0.6360



27.8650, 49.5130, 22.2890



67.9610, 120.6650, 54.4010

Previews

White Background



This preview shows how the YIQ color 24.9960, -11.3720, 7.8600 looks on a white background.

Color Contrast Check

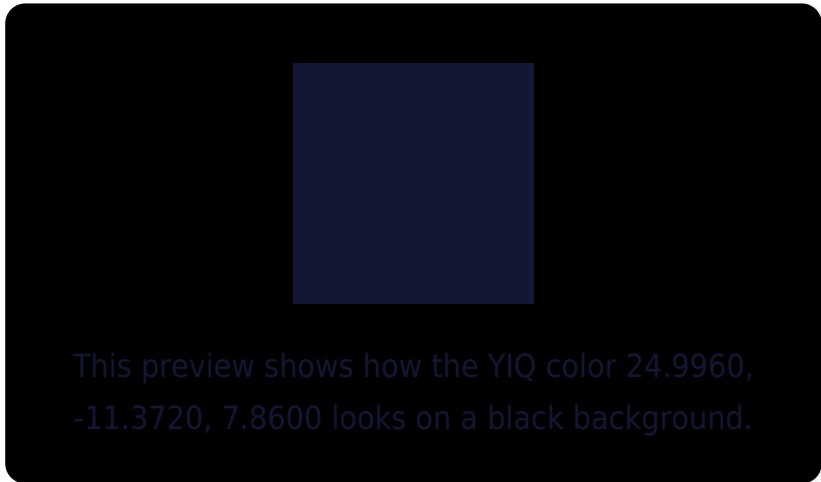
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

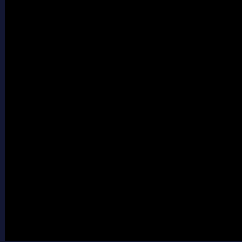
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.9960, -11.3720, 7.8600

Background



This preview shows how black text looks on a background with the YIQ color 24.9960, -11.3720, 7.8600.



This preview shows how white text looks on a background with the YIQ color 24.9960, -11.3720,

7.8600.

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

24.9960, -11.3720, 7.8600

Protanopia

20.7170, -23.8880, 3.4080

Deuteranopia

20.5060, -21.9160, 0.7080



Tritanopia

22.3620, -12.8830, -3.3070

Trichromacy



Original Color

24.9960, -11.3720, 7.8600

Protanomaly

22.1090, -19.1200, 5.1040

Deuteranomaly

22.2400, -18.1110, 3.3370

Tritanomaly

23.1820, -12.1960, 0.7640

Monochromacy



Original Color

24.9960, -11.3720, 7.8600

Achromatopsia

25.0000, -0.0000, -0.0000

Achromatomaly

24.8410, -3.8060, 2.8980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.9960, -11.3720, 7.8600 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(19, 23, 51)` looks like.

```
.text, #text, p{  
  color:rgb(19, 23, 51)  
}
```

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(19, 23, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 23, 51) }
```

Border

The CSS property to change the border of an element to YIQ 24.9960, -11.3720, 7.8600 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(19, 23, 51) }
```


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

```
.border{ border-color:rgb(19, 23, 51) }
```

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

Here you see how a box with a 4 pixel rgb(19, 23, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 23, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 23, 51);  
box-shadow:4px 4px 4px 4px rgb(19, 23, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 24.9960, -11.3720, 7.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 23, 51) }
```

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

```
.background{ background-color: rgb(19, 23,  
51) }
```

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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