

Converting Colors

YIQ(76.6720, -96.7950, 41.6770)

Have a look what the booklet for
YIQ(76.6720, -96.7950, 41.6770)
contains.

YIQ(76.6720, -96.7950, 41.6770)	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(76.6720, -96.7950,
41.6770)**

Conversions

Conversions Part 1

Format	Color
Hex	0A4CFF
RGB	10, 76, 255
RGB Percent	4%, 30%, 100%
CMY	0.9605, 0.7019, 0.0005
CMYK	0.96, 0.70, 0.00, 0.00
HSL	224°, 100%, 52%
HSV	224°, 96%, 100%
XYZ	20.7400, 12.4486, 95.8050
YIQ	76.6720, -96.7950, 41.6770

Conversions

Conversions Part 2

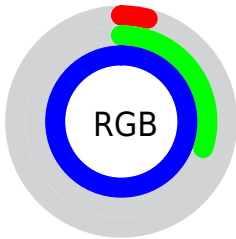
Format	Color
R _Y B	10, 62, 255
Decimal	675071
CIE Lab	41.92, 51.36, -91.79
CIE LCh	42, 105.179, 299.230
Yxy	12.4486, 0.1608, 0.0965
Android (android.graphics.Color)	4278865151 (0xFF0A4CFF)
YUV	76.6720, 87.9157, -58.4713
Hunter-Lab	35.2826, 43.1818, -136.2957

Details

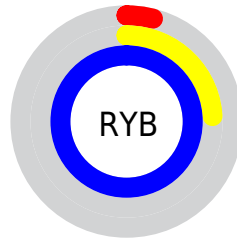
The YIQ color **76.6720, -96.7950, 41.6770** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **188.3280, 96.7950, -41.6770**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.7270, -45.9020, 38.9460**, and **41.2420, -72.0370, 44.5310** is the 20% darker color. If you saturate the color by 10%, you get **69.5730, -100.8300, 43.2180**, and if you desaturate by 10%, it is **95.5990, -86.5240, 37.2520**.

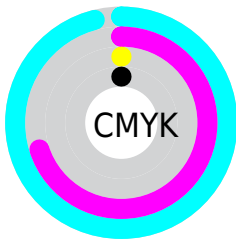
Distribution



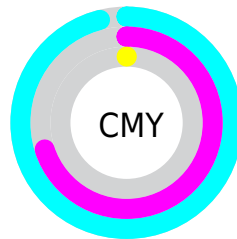
- Red (4%)
- Green (30%)
- Blue (100%)



- Red (4%)
- Yellow (24%)
- Blue (100%)



- Cyan (96%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.6720, -96.7950, 41.6770 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 76.6720, -96.7950, 41.6770 by changing the saturation by 10% instead.

■ 76.6720, -96.7950,
41.6770

■ 76.6720, -96.7950,
41.6770

■ 255.0000, -0.0000,
-0.0000

■ 56.7610, -86.8000,
42.2560

■ 137.7270,
-45.9020, 38.9460

■ 41.2420, -72.0370,
44.5310

■ 163.1550,
-32.7880, 32.5560

■ 27.3700, -57.7780,
44.9260

■ 189.1700,
-19.9490, 25.6430

■ 16.0740, -45.2610,
43.8510

■ 215.1740, -8.5770,
17.7830

■ 18.2790, -39.0690,
30.7470

■ 241.1780, 2.7950,
9.9230

■ 17.6630, -31.8230,
20.5690

■ 11.4050, -22.4690,

16.2430

■ 6.4350, -13.9860,
11.1820

■ 2.7530, -6.3740,
5.3860

■ 76.6720, -96.7950,
41.6770

■ 76.6720, -96.7950,
41.6770

■ 69.5730,
-100.8300, 43.2180

■ 95.5990, -86.5240,
37.2520

■ 113.6400,
-76.5740, 33.1380

■ 132.5670,
-66.3030, 28.7130

■ 151.1950,
-56.6280, 24.0760

■ 169.2360,
-46.6780, 19.9620

■ 188.1630,
-36.4070, 15.5370

■ 206.2040,
-26.4570, 11.4230

■ 225.1310,
-16.1860, 6.9980

■ 243.7590, -6.5110,
2.3610

Harmonies

Analogous

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



95.9880, -113.2050, 19.6830



76.6720, -96.7950, 41.6770



79.3670, 54.0380, 100.0060

Triad

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



76.6720, -96.7950, 41.6770



82.9150, 98.8020, 15.5860



85.8520, -65.3740, -37.7100

Complementary

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



76.6720, -96.7950, 41.6770



188.3280, 96.7950, -41.6770

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.



73.3750, -34.3750, -65.3750



76.6720, -96.7950, 41.6770



93.1290, 46.9080, -24.1320

Square

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



76.6720, -96.7950, 41.6770



70.9790, 129.4220, 55.3900



68.9890, -30.1120, -60.0320



97.1720, -94.4930, -11.0770

Rectangle

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



76.6720, -96.7950, 41.6770



83.4480, 92.8740, 90.0100



68.9890, -30.1120, -60.0320



81.7310, -55.1480, -46.8280

Sweetspot

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



76.6720, -96.7950, 41.6770



201.1760, -29.2540, 12.5540



173.8790, -123.8710, -73.3990



95.1740, -17.7450, 7.7190



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.



76.6720, -96.7950, 41.6770



69.5730, -100.8300, 43.2180



53.7770, -47.0570, 87.4310



118.2430, -4.9980, 2.4740



52.2980, -75.6110, 32.2050



17.2750, -25.2190, 11.0130

Inverse Universe

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



90.7790, 124.8340, 72.4660



84.1110, 129.8310, 75.5190



211.2230, 47.0570, -87.4310



119.2290, 6.7850, 3.6890



63.0370, 97.1440, 56.6640



21.0740, 32.6870, 18.8550

Previews

White Background



This preview shows how the YIQ color 76.6720, -96.7950, 41.6770 looks on a white background.

Color Contrast Check

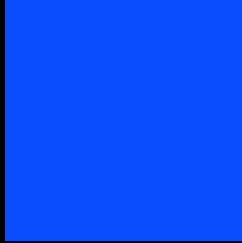
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 76.6720, -96.7950, 41.6770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 76.6720, -96.7950, 41.6770

Background



This preview shows how black text looks on a background with the YIQ color 76.6720, -96.7950, 41.6770.



This preview shows how white text looks on a background with the YIQ color 76.6720, -96.7950,

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

76.6720, -96.7950, 41.6770

Protanopia

77.8640, -89.7290, 12.7270

Deuteranopia

78.5530, -82.0240, -0.2640



Tritanopia

77.0930, -66.8900, -21.2420

Trichromacy



Original Color

76.6720, -96.7950, 41.6770

Protanomaly

77.2310, -91.8400, 23.4560

Deuteranomaly

78.0000, -87.1160, 14.9320

Tritanomaly

77.0590, -77.5770, 1.7430

Monochromacy



Original Color

76.6720, -96.7950, 41.6770

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.2340, -35.1690, 15.1270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.6720, -96.7950, 41.6770 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(10, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 76, 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(10, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 76, 255) }
```

Border

The CSS property to change the border of an element to YIQ 76.6720, -96.7950, 41.6770 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(10, 76, 255) }
```


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

```
.border{ border-color:rgb(10, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 76,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 76.6720, -96.7950, 41.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 76, 255) }
```

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

```
.background{ background-color: rgb(10, 76,  
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](#).

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