

Converting Colors

YIQ(77.1490, -33.7920, 6.6880)

Have a look what the booklet for
YIQ(77.1490, -33.7920, 6.6880)
contains.

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Color

**YIQ(77.1490, -33.7920,
6.6880)**

Conversions

Conversions Part 1

Format	Color
Hex	31527E
RGB	49, 82, 126
RGB Percent	19%, 32%, 49%
CMY	0.8079, 0.6784, 0.5060
CMYK	0.61, 0.35, 0.00, 0.51
HSL	214°, 44%, 34%
HSV	214°, 61%, 49%
XYZ	8.0475, 8.1946, 20.8817
YIQ	77.1490, -33.7920, 6.6880

Conversions

Conversions Part 2

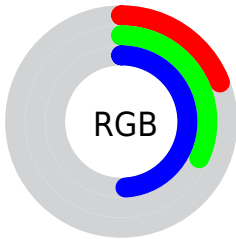
Format	Color
R_{YB}	49, 72, 126
Decimal	3232382
CIE _{Lab}	34.38, 2.38, -28.47
CIE _{LCh}	34, 28.565, 274.777
Yxy	8.1946, 0.2168, 0.2207
Android (android.graphics.Color)	4281422462 (0xFF31527E)
YUV	77.1490, 24.0835, -24.6867
Hunter-Lab	28.6262, 0.0845, -23.2115




Details

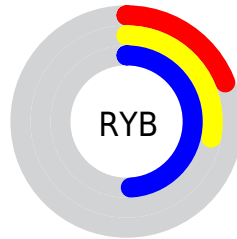
The YIQ color **77.1490, -33.7920, 6.6880** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **97.8510, 33.7920, -6.6880**, and the grayscale version is **77.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **127.8010, -32.6920, 8.7800**, and **31.0840, -35.1670, 4.0730** is the 20% darker color. If you saturate the color by 10%, you get **69.1530, -39.6150, 7.5930**, and if you desaturate by 10%, it is **85.1450, -27.9690, 5.7830**.

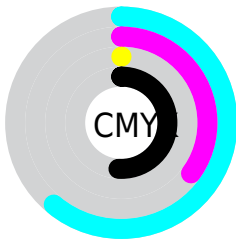
Distribution







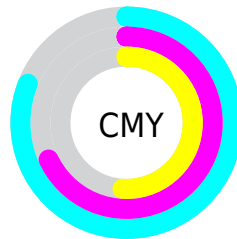
-  Red (19%)
-  Green (32%)
-  Blue (49%)






-  Red (19%)
-  Yellow (28%)
-  Blue (49%)



-  Cyan (61%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (81%)
-  Magenta (68%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.1490, -33.7920, 6.6880 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 77.1490, -33.7920, 6.6880 by changing the saturation by 10% instead.

■ 77.1490, -33.7920,
6.6880

■ 77.1490, -33.7920,
6.6880

■ 255.0000, -0.0000,
-0.0000

■ 51.8280, -37.3220,
4.5820

■ 127.8010,
-32.6920, 8.7800

■ 31.0840, -35.1670,
4.0730

■ 154.3280,
-32.7380, 9.6140

■ 16.1350, -22.0090,
7.9030

■ 181.4420,
-33.0590, 9.9250

■ 4.8220, -10.8220,
8.9060

■ 208.5300,
-30.4910, 7.4370

■ 0.4560, -1.2840,
1.2440

■ 233.3380,
-21.5030, -1.2710

■ 0.0000, 0.0000,
0.0000

■ 250.8140, -8.3440,

-2.9680

■ 77.1490, -33.7920,
6.6880

■ 77.1490, -33.7920,
6.6880

■ 69.1530, -39.6150,
7.5930

■ 85.1450, -27.9690,
5.7830

■ 61.4560, -44.8420,
8.7100

■ 92.8420, -22.7420,
4.6660

■ 52.8730, -50.3900,
10.1380

■ 101.4250,
-17.1940, 3.2380

■ 46.0620, -55.2960,
10.9440

■ 109.1220,
-11.9670, 2.1210

■ 117.1180, -6.1440,
1.2160

■ 125.1140, -0.3210,
0.3110

■ 132.8110, 4.9060,
-0.8060

■ 141.3940, 10.4540,
-2.2340

■ 149.0910, 15.6810,
-3.3510

Harmonies

Analogous

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



65.5640, -63.3620, -8.0820



77.1490, -33.7920, 6.6880



82.6150, -5.5050, 17.1750

Triad

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



77.1490, -33.7920, 6.6880



81.0170, 36.8610, 9.2850



71.4340, -22.5540, -20.7780

Complementary

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



77.1490, -33.7920, 6.6880



97.8510, 33.7920, -6.6880

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.



75.8900, 2.5250, -18.2350



77.1490, -33.7920, 6.6880



80.3010, 32.6450, -2.4190

Square

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



77.1490, -33.7920, 6.6880



82.0630, 31.2200, 17.9080



78.6320, 21.0470, -12.4970



63.5800, -52.2640, -21.9920

Rectangle

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



77.1490, -33.7920, 6.6880



83.5090, 9.5330, 19.9730



78.6320, 21.0470, -12.4970



73.3380, -13.4760, -20.1000

Sweetspot

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



77.1490, -33.7920, 6.6880



144.3500, -12.6090, 2.7430



99.2150, -35.2990, -26.5870



70.1610, -7.7030, 1.9370



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



77.1490, -33.7920, 6.6880



87.5030, -52.2240, 10.3360



59.2730, -21.7370, 25.0070



59.5590, -3.0720, 0.6080



46.8770, -56.2130, 11.0430



0.0000, 0.0000, 0.0000

Inverse Universe

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



75.7850, 35.2990, 26.5870



85.3950, 54.5530, 41.0890



115.7270, 21.7370, -25.0070



59.4350, 3.2090, 2.4170



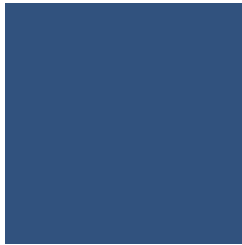
44.5420, 58.6330, 44.2410



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 77.1490, -33.7920, 6.6880 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



This preview shows how the YIQ color 77.1490, -33.7920, 6.6880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

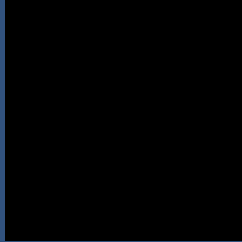
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.1490, -33.7920, 6.6880

Background



This preview shows how black text looks on a background with the YIQ color 77.1490, -33.7920, 6.6880.

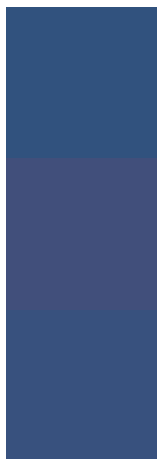


This preview shows how white text looks on a background with the YIQ color 77.1490, -33.7920,

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

77.1490, -33.7920, 6.6880

Protanopia

79.8300, -22.4680, 10.7160

Deuteranopia

78.6550, -29.3450, 8.6950



Tritanopia

72.9510, -33.8350, -9.0590

Trichromacy



Original Color

77.1490, -33.7920, 6.6880

Protanomaly

78.7370, -26.6400, 9.2320

Deuteranomaly

77.7580, -31.1330, 8.0590

Tritanomaly

74.5260, -33.8360, -3.5320

Monochromacy



Original Color

77.1490, -33.7920, 6.6880

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.2360, -12.2880, 2.4320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.1490, -33.7920, 6.6880 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(49, 82, 126)` looks like.

```
.text, #text, p{  
    color:rgb(49, 82, 126)  
}
```

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(49, 82, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 82, 126) }
```

Border

The CSS property to change the border of an element to YIQ 77.1490, -33.7920, 6.6880 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(49, 82, 126) }
```


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

```
.border{ border-color:rgb(49, 82, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 82, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 82, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 82, 126);  
box-shadow:4px 4px 4px 4px rgb(49, 82,  
126) }
```

Background

The CSS property to change the background color of an element to YIQ 77.1490, -33.7920, 6.6880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 82, 126) }
```

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

```
.background{ background-color: rgb(49, 82,  
126) }
```

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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