

Converting Colors

YIQ(66.9760, 133.5040, 47.4880)

Have a look what the booklet for
YIQ(66.9760, 133.5040, 47.4880)
contains.

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Color

**YIQ(66.9760, 133.5040,
47.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	E00000
RGB	224, 0, 0
RGB Percent	88%, 0%, 0%
CMY	0.1210, 0.9998, 0.9995
CMYK	0.00, 1.00, 1.00, 0.12
HSL	360°, 100%, 44%
HSV	360°, 100%, 88%
XYZ	30.7834, 15.8693, 1.4445
YIQ	66.9760, 133.5040, 47.4880

Conversions

Conversions Part 2

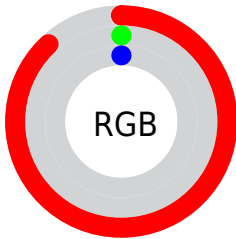
Format	Color
RYB	224, 0, 0
Decimal	14680064
CIELab	46.80, 72.67, 60.93
CIELCh	47, 94.836, 39.980
Yxy	15.8693, 0.6400, 0.3299
Android (android.graphics.Color)	4292870144 (0xFFE00000)
YUV	66.9760, -33.0192, 137.7100
Hunter-Lab	39.8363, 68.2216, 25.7355

Details

The YIQ color **66.9760, 133.5040, 47.4880** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **157.0240, -133.5040, -47.4880**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.3450, 109.5750, 24.0950**, and **47.2420, 94.1680, 33.4960** is the 20% darker color. If you saturate the color by 10%, you get **66.9760, 133.5040, 47.4880**, and if you desaturate by 10%, it is **82.5120, 120.0710, 43.1350**.

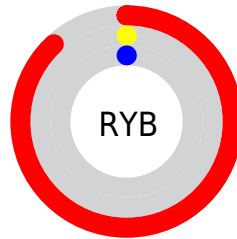
Distribution



Red (88%)

Green (0%)

Blue (0%)



Red (88%)

Yellow (0%)

Blue (0%)

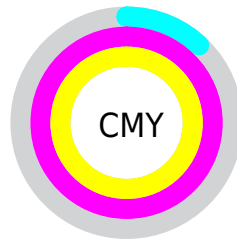


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 66.9760, 133.5040, 47.4880 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 66.9760, 133.5040, 47.4880 by changing the saturation by 10% instead.


 66.9760, 133.5040,
47.4880


 66.9760, 133.5040,
47.4880


 253.6320, 3.8520,
-3.7320


 57.1090, 113.8360,
40.4920


 135.3450,
109.5750, 24.0950


 47.2420, 94.1680,
33.4960


 155.8050, 93.3000,
16.1800

 37.6740, 75.0960,
26.7120


 176.2650, 77.0250,
8.2650

 28.3340, 55.3820,
20.5500

 196.3660, 60.3830,
1.4950

 19.4780, 37.1810,
14.5010

 216.9400, 43.7870,
-6.1090


 8.7850, 16.9630,
6.4590


 237.7420, 26.5490,


 0.0000, 0.0000,


-13.0910


0.0000


 250.3260, 13.1610,
-12.7510


 66.9760, 133.5040,
47.4880

 82.5120, 120.0710,
43.1350

 98.5210, 106.6840,
37.9480

 113.9430, 93.5720,
33.2840

 130.0660, 79.8640,
28.4080

 145.4880, 66.7520,
23.7440

■ 161.6110, 53.0440,
18.8680

■ 177.0330, 39.9320,
14.2040

■ 192.4550, 26.8200,
9.5400

■ 208.5780, 13.1120,
4.6640

Harmonies

Analogous

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



82.8030, 116.2590, 79.1950



66.9760, 133.5040, 47.4880



103.7040, 82.4380, -7.2420

Triad

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



66.9760, 133.5040, 47.4880



86.8200, -54.3210, -56.3130



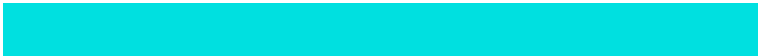
95.9880, -113.2050, 19.6830

Complementary

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



66.9760, 133.5040, 47.4880



157.0240, -133.5040, -47.4880

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.



108.3150, -118.9800, 8.7000



66.9760, 133.5040, 47.4880



98.3850, -82.7520, -31.1360

Square

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



66.9760, 133.5040, 47.4880



77.4840, -36.3000, -69.0360



107.0490, -107.1480, -7.5000



109.8430, -13.0330, 65.5190

Rectangle

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



66.9760, 133.5040, 47.4880



104.6470, 51.0810, -28.1750



107.0490, -107.1480, -7.5000



101.2710, -115.6800, 14.9760

Sweetspot

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



66.9760, 133.5040, 47.4880



201.7240, 45.2960, 16.1120



91.3160, 59.2160, 116.3040



95.7540, 27.4160, 9.7520



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.



66.9760, 133.5040, 47.4880



76.2450, 151.9800, 54.0600



130.3720, 103.8040, -8.9960



104.2890, 6.5560, 2.3320



52.6240, 104.8960, 37.3120



14.3520, 28.6080, 10.1760

Inverse Universe

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



66.9760, 133.5040, 47.4880



76.2450, 151.9800, 54.0600



93.6280, -103.8040, 8.9960



104.2890, 6.5560, 2.3320



52.6240, 104.8960, 37.3120



14.3520, 28.6080, 10.1760

Previews

White Background



This preview shows how the YIQ color 66.9760, 133.5040, 47.4880 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 66.9760, 133.5040, 47.4880 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 66.9760, 133.5040, 47.4880

Background



This preview shows how black text looks on a background with the YIQ color 66.9760, 133.5040, 47.4880.



This preview shows how white text looks on a background with the YIQ color 66.9760, 133.5040,

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

66.9760, 133.5040, 47.4880

Protanopia

107.6100, 35.3080, -23.1560

Deuteranopia

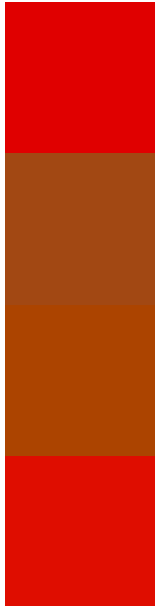
105.2670, 55.2070, -25.8570



Tritanopia

78.7050, 126.5370, 36.0810

Trichromacy



Original Color

66.9760, 133.5040, 47.4880

Protanomaly

92.8680, 70.6530, 2.5970

Deuteranomaly

91.3440, 83.8120, 0.9000

Tritanomaly

74.3080, 129.3330, 40.4770

Monochromacy



Original Color

66.9760, 133.5040, 47.4880

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

67.2190, 48.2760, 17.1720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.9760, 133.5040, 47.4880 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(224, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 0)  
}
```

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(224, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 0) }
```

Border

The CSS property to change the border of an element to YIQ 66.9760, 133.5040, 47.4880 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(224, 0, 0) }
```


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

```
.border{ border-color:rgb(224, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(224, 0, 0); box-shadow:4px  
4px 4px 4px rgb(224, 0, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 66.9760, 133.5040, 47.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 0) }
```

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

```
.background{ background-color: rgb(224, 0,  
0) }
```

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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