

Converting Colors

YIQ(36.8860, 45.0200, 21.1160)

Have a look what the booklet for
YIQ(36.8860, 45.0200, 21.1160)
contains.

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Color

**YIQ(36.8860, 45.0200,
21.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	5D0B17
RGB	93, 11, 23
RGB Percent	36%, 4%, 9%
CMY	0.6351, 0.9570, 0.9096
CMYK	0.00, 0.88, 0.75, 0.64
HSL	351°, 79%, 20%
HSV	351°, 88%, 36%
XYZ	4.7938, 2.6304, 1.0679
YIQ	36.8860, 45.0200, 21.1160

Conversions

Conversions Part 2

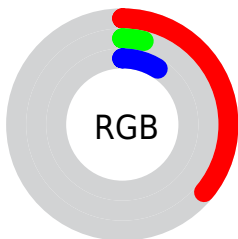
Format	Color
RYB	93, 11, 23
Decimal	6097687
CIELab	18.50, 36.03, 16.67
CIELCh	18, 39.703, 24.824
Yxy	2.6304, 0.5645, 0.3097
Android (android.graphics.Color)	4284287767 (0xFF5D0B17)
YUV	36.8860, -6.8458, 49.2120
Hunter-Lab	16.2186, 24.3772, 7.4490

Details

The YIQ color **36.8860, 45.0200, 21.1160** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **67.1140, -45.0200, -21.1160**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.5290, 50.3390, 18.3310**, and **12.6720, 24.7110, 9.2150** is the 20% darker color. If you saturate the color by 10%, you get **30.6910, 50.0630, 23.3350**, and if you desaturate by 10%, it is **43.0810, 39.9770, 18.8970**.

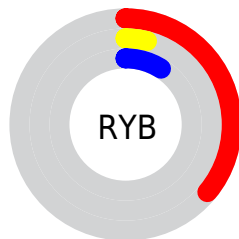
Distribution



Red (36%)

Green (4%)

Blue (9%)



Red (36%)

Yellow (4%)

Blue (9%)

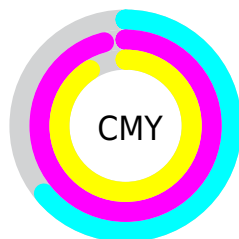


Cyan (0%)

Magenta (88%)

Yellow (75%)

Black (64%)



Cyan (64%)

Magenta (96%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.8860, 45.0200, 21.1160 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 36.8860, 45.0200, 21.1160 by changing the saturation by 10% instead.

36.8860, 45.0200,
21.1160

36.8860, 45.0200,
21.1160

253.1420, 2.4760,
-0.8200

20.0330, 39.9320,
14.2040

89.6430, 50.0180,
18.6420

12.6720, 24.7110,
9.2150

115.3120, 52.4480,
18.6560

0.0000, 0.0000,
0.0000


141.6930, 55.7490,
19.4050


169.1770, 57.2620,
19.5180


193.6710, 52.8150,
17.5110


212.5980, 36.7230,


11.7870


 232.8130, 19.7600,
5.3280


 36.8860, 45.0200,
21.1160


 36.8860, 45.0200,
21.1160


 30.6910, 50.0630,
23.3350


 43.0810, 39.9770,
18.8970

 29.4030, 50.9340,
24.0700

 49.8630, 34.6590,
16.1550

 56.0580, 29.6160,
13.9360

 62.2530, 24.5730,
11.7170

 68.4480, 19.5300,
9.4980

■ 75.2300, 14.2120,
6.7560

■ 81.4250, 9.1690,
4.5370

■ 87.6200, 4.1260,
2.3180

■ 94.2880, -0.8710,
-0.7350

Harmonies

Analogous

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



36.2570, 37.0860, 32.7500



36.8860, 45.0200, 21.1160



41.5410, 40.8970, 2.2170

Triad

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



36.8860, 45.0200, 21.1160



32.9690, -17.0510, -26.8990



41.0920, -46.8130, 5.8830

Complementary

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



36.8860, 45.0200, 21.1160



67.1140, -45.0200, -21.1160

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.



43.3600, -44.9320, -0.6760



36.8860, 45.0200, 21.1160



37.9050, -28.1940, -17.6820

Square

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



36.8860, 45.0200, 21.1160



39.5160, 6.5140, -18.9420



41.3250, -37.8240, -8.3520



43.0240, -25.7700, 15.4940

Rectangle

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



36.8860, 45.0200, 21.1160



42.9370, 30.6740, -5.2460



41.3250, -37.8240, -8.3520



42.6250, -46.9960, 3.6920

Sweetspot

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



36.8860, 45.0200, 21.1160



98.7250, 17.1920, 7.8160



41.2780, 15.3980, 40.3420



48.0230, 10.3610, 4.9610



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



36.8860, 45.0200, 21.1160



37.9320, 65.7420, 31.0380



52.5410, 40.8970, 2.2170



42.6090, 2.6590, 1.3710



34.7140, 60.4240, 28.2960



74.8530, 130.0170, 61.1290

Inverse Universe

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



36.8860, 45.0200, 21.1160



37.9320, 65.7420, 31.0380



51.4590, -40.8970, -2.2170



42.6090, 2.6590, 1.3710



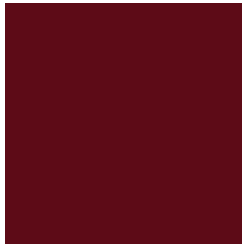
34.7140, 60.4240, 28.2960



74.8530, 130.0170, 61.1290

Previews

White Background



This preview shows how the YIQ color 36.8860, 45.0200, 21.1160 looks on a white background.

Color Contrast Check

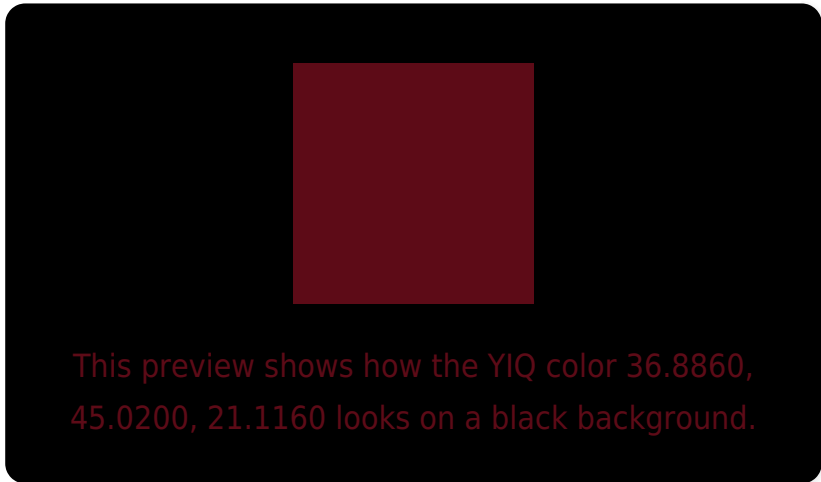
Large Text (above 18pt) WCAG AA ✓ Pass

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

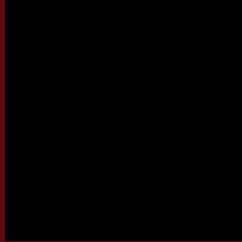
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 36.8860, 45.0200, 21.1160

Background



This preview shows how black text looks on a background with the YIQ color 36.8860, 45.0200, 21.1160.

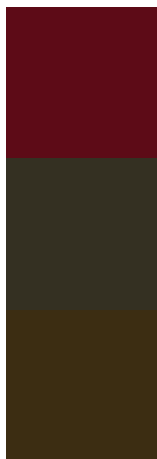


This preview shows how white text looks on a background with the YIQ color 36.8860, 45.0200,

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

36.8860, 45.0200, 21.1160

Protanopia

47.6000, 6.8780, -3.5060

Deuteranopia

46.4070, 17.6070, -5.2170



Tritanopia

37.3930, 47.7260, 16.1260

Trichromacy



Original Color

36.8860, 45.0200, 21.1160

Protanomaly

43.9980, 20.6770, 5.2290

Deuteranomaly

43.1790, 27.4170, 4.2250

Tritanomaly

37.2620, 46.7170, 17.8930

Monochromacy



Original Color

36.8860, 45.0200, 21.1160

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.1270, 16.0000, 7.3920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.8860, 45.0200, 21.1160 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(93, 11, 23)` looks like.

```
.text, #text, p{  
    color:rgb(93, 11, 23)  
}
```

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(93, 11, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 11, 23) }
```

Border

The CSS property to change the border of an element to YIQ 36.8860, 45.0200, 21.1160 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(93, 11, 23) }
```


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

```
.border{ border-color:rgb(93, 11, 23) }
```

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

Here you see how a box with a 4 pixel rgb(93, 11, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 11, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 11, 23);  
box-shadow:4px 4px 4px 4px rgb(93, 11, 23)  
}
```

Background

The CSS property to change the background color of an element to YIQ 36.8860, 45.0200, 21.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 11, 23) }
```

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

```
.background{ background-color: rgb(93, 11,  
23) }
```

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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