

Converting Colors

YIQ(40.3690, 20.7700, -1.9660)

Have a look what the booklet for
YIQ(40.3690, 20.7700, -1.9660)
contains.

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Color

**YIQ(40.3690, 20.7700,
-1.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	3B240E
RGB	59, 36, 14
RGB Percent	23%, 14%, 5%
CMY	0.7686, 0.8589, 0.9450
CMYK	0.00, 0.39, 0.76, 0.77
HSL	29°, 62%, 14%
HSV	29°, 76%, 23%
XYZ	2.5143, 2.2231, 0.7129
YIQ	40.3690, 20.7700, -1.9660

Conversions

Conversions Part 2

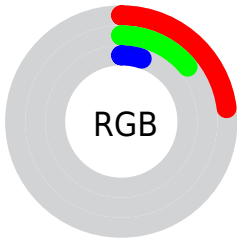
Format	Color
R_{YB}	59, 57, 14
Decimal	3875854
CIE _{Lab}	16.62, 8.39, 18.45
CIE _{LCh}	17, 20.270, 65.549
Yxy	2.2231, 0.4613, 0.4079
Android (android.graphics.Color)	4282065934 (0xFF3B240E)
YUV	40.3690, -12.9999, 16.3394
Hunter-Lab	14.9099, 4.0081, 7.6019

Details

The YIQ color **40.3690, 20.7700, -1.9660** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **32.6310, -20.7700, 1.9660**, and the grayscale version is **40.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **86.6360, 24.3920, -1.5280**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **37.9240, 23.5210, -2.2630**, and if you desaturate by 10%, it is **42.8140, 18.0190, -1.6690**.

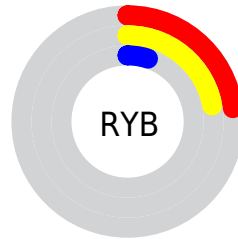
Distribution



 Red (23%)

 Green (14%)

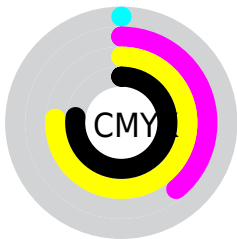
 Blue (5%)



 Red (23%)

 Yellow (22%)

 Blue (5%)

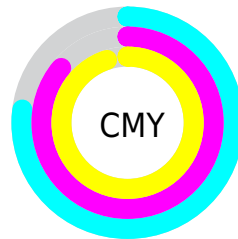


 Cyan (0%)

 Magenta (39%)

 Yellow (76%)

 Black (77%)



 Cyan (77%)

 Magenta (86%)

 Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 40.3690, 20.7700, -1.9660 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 40.3690, 20.7700, -1.9660 by changing the saturation by 10% instead.

■ 40.3690, 20.7700,
-1.9660

■ 40.3690, 20.7700,
-1.9660

■ 253.0620, 5.4570,
-5.2870

■ 20.1560, 17.0560,
-0.7360

■ 86.6360, 24.3920,
-1.5280

■ 0.0000, 0.0000,
0.0000

■ 111.1200, 25.9050,
-1.4150

■ 136.3050, 26.8220,
-1.5140

■ 162.7890, 28.3350,
-1.4010

■ 190.0880, 28.9310,
-1.1890

■ 217.5720, 30.4440,

-1.0760

■ 240.4780, 18.8450,
-5.6270

■ 40.3690, 20.7700,
-1.9660

■ 40.3690, 20.7700,
-1.9660

■ 37.9240, 23.5210,
-2.2630

■ 42.8140, 18.0190,
-1.6690

■ 35.4790, 26.2720,
-2.5600

■ 45.2590, 15.2680,
-1.3720

■ 34.6640, 27.1890,
-2.6590

■ 47.7040, 12.5170,
-1.0750

■ 50.1490, 9.7660,
-0.7780

■ 52.5940, 7.0150,
-0.4810

■ 54.9250, 4.5850,
-0.4950

■ 57.3700, 1.8340,
-0.1980

■ 59.8150, -0.9170,
0.0990

■ 62.2600, -3.6680,
0.3960

Harmonies

Analogous

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



41.0800, 23.3820, 5.7660



40.3690, 20.7700, -1.9660



39.1460, 13.8480, -8.6800

Triad

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



40.3690, 20.7700, -1.9660



33.0780, -27.0030, -11.7310



42.2960, -3.3490, 11.1390

Complementary

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



40.3690, 20.7700, -1.9660



32.6310, -20.7700, 1.9660

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.



38.6140, -22.1000, 4.0440



40.3690, 20.7700, -1.9660



34.6740, -31.4970, -7.3770

Square

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



40.3690, 20.7700, -1.9660



34.1840, -15.6780, -13.2300



34.6400, -34.1570, -3.2210



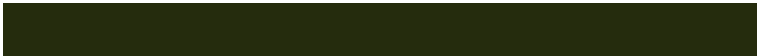
42.4780, 10.8180, 13.2020

Rectangle

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



40.3690, 20.7700, -1.9660



38.3730, 5.7790, -11.1250



34.6400, -34.1570, -3.2210



41.3060, -9.3090, 9.0190

Sweetspot

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



40.3690, 20.7700, -1.9660



69.0780, 8.5280, -0.3680



30.0770, 19.4370, 16.6930



33.9250, 4.5850, -0.4950



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



40.3690, 20.7700, -1.9660



47.8880, 32.3700, -2.9420



53.2830, 14.7200, -13.4720



29.4840, 1.5130, 0.1130



55.1080, 43.3740, -4.1300



129.7740, 102.6120, -9.4200

Inverse Universe

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



32.6310, -20.7700, 1.9660



36.1120, -32.3700, 2.9420



19.7170, -14.7200, 13.4720



28.9290, -1.2380, 0.4100



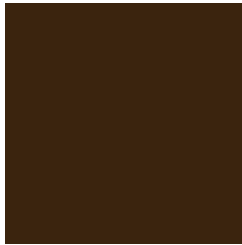
38.8920, -43.3740, 4.1300



92.2260, -102.6120, 9.4200

Previews

White Background



This preview shows how the YIQ color 40.3690, 20.7700, -1.9660 looks on a white background.

Color Contrast Check

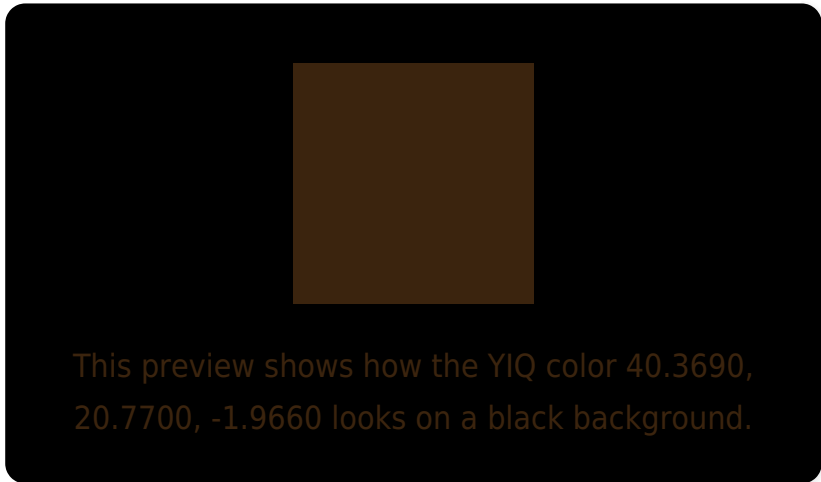
Large Text (above 18pt) WCAG AA ✓ Pass

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

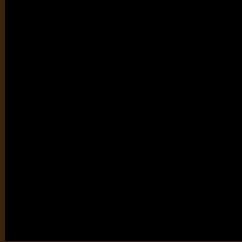
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 40.3690, 20.7700, -1.9660

Background



This preview shows how black text looks on a background with the YIQ color 40.3690, 20.7700, -1.9660.



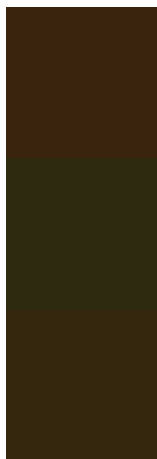
This preview shows how white text looks on a background with the YIQ color 40.3690, 20.7700,

-1.9660.

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

40.3690, 20.7700, -1.9660

Protanopia

40.2320, 10.7300, -7.2380

Deuteranopia

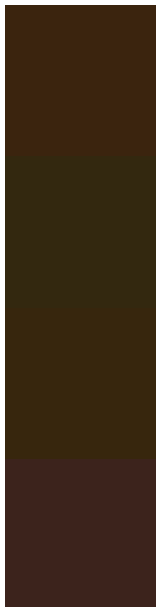
39.9230, 16.0940, -5.3300



Tritanopia

42.0020, 14.8540, 6.1340

Trichromacy



Original Color

40.3690, 20.7700, -1.9660

Protanomaly

40.4390, 14.5810, -5.4430

Deuteranomaly

40.2330, 18.1570, -4.1710

Tritanomaly

41.6770, 17.1470, 3.1230

Monochromacy



Original Color

40.3690, 20.7700, -1.9660

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

40.4800, 7.3360, -0.7920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 40.3690, 20.7700, -1.9660 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(59, 36, 14)` looks like.

```
.text, #text, p{  
    color:rgb(59, 36, 14)  
}
```

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(59, 36, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 36, 14) }
```

Border

The CSS property to change the border of an element to YIQ 40.3690, 20.7700, -1.9660 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(59, 36, 14) }
```


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

```
.border{ border-color:rgb(59, 36, 14) }
```

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

Here you see how a box with a 4 pixel rgb(59, 36, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 36, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 36, 14);  
box-shadow:4px 4px 4px 4px rgb(59, 36, 14)  
}
```

Background

The CSS property to change the background color of an element to YIQ 40.3690, 20.7700, -1.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 36, 14) }
```

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

```
.background{ background-color: rgb(59, 36,  
14) }
```

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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