

Converting Colors

YIQ(20.0790, 6.7870, -7.3650)

Have a look what the booklet for
YIQ(20.0790, 6.7870, -7.3650)
contains.

| | |
|--|----|
| YIQ(20.0790, 6.7870, -7.3650) | 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(20.0790, 6.7870,
-7.3650)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 161700 |
| RGB | 22, 23, 0 |
| RGB Percent | 9%, 9%, 0% |
| CMY | 0.9137, 0.9098, 1.0000 |
| CMYK | 0.04, 0.00, 1.00, 0.91 |
| HSL | 63°, 100%, 5% |
| HSV | 63°, 100%, 9% |
| XYZ | 0.6372, 0.7834, 0.1179 |
| YIQ | 20.0790, 6.7870, -7.3650 |

Conversions

Conversions Part 2

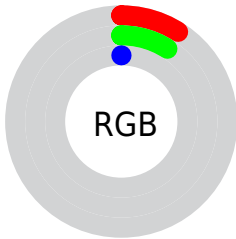
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 0, 23, 1 |
| Decimal | 1447680 |
| CIE _{Lab} | 7.08, -4.40, 10.51 |
| CIE _{LCh} | 7, 11.395, 112.691 |
| Yxy | 0.7834, 0.4142, 0.5092 |
| Android (android.graphics.Color) | 4279637760 (0xFF161700) |
| YUV | 20.0790, -9.8989, 1.6847 |
| Hunter-Lab | 8.8507, -2.6369, 5.4054 |

Details

The YIQ color **20.0790, 6.7870, -7.3650** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **2.9210, -6.7870, 7.3650**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **62.7630, 4.8610, -5.4990**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **20.0790, 6.7870, -7.3650**, and if you desaturate by 10%, it is **20.3070, 6.1450, -6.7430**.

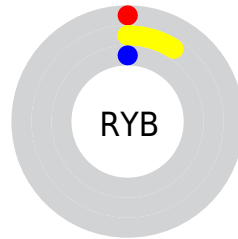
Distribution



Red (9%)

Green (9%)

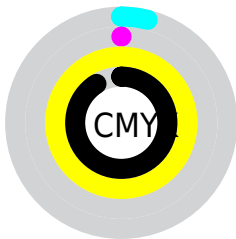
Blue (0%)



Red (0%)

Yellow (9%)

Blue (0%)

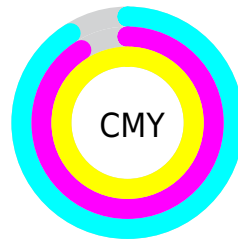


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (91%)



Cyan (91%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.0790, 6.7870, -7.3650 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 20.0790, 6.7870, -7.3650 by changing the saturation by 10% instead.

■ 20.0790, 6.7870,
-7.3650

■ 20.0790, 6.7870,
-7.3650

■ 245.1930, 6.4660,
-7.0540

■ 0.0000, 0.0000,
0.0000

■ 62.4640, 4.2650,
-5.7110

■ 86.2360, 4.9070,
-6.3330

■ 110.2360, 4.9070,
-6.3330

■ 136.1220, 5.2280,
-6.6440

■ 162.0080, 5.5490,
-6.9550

■ 189.0080, 5.5490,

-6.9550

■ 216.8940, 5.8700,
-7.2660

■ 20.0790, 6.7870,
-7.3650

■ 20.3070, 6.1450,
-6.7430

■ 20.6490, 5.1820,
-5.8100

■ 20.8770, 4.5400,
-5.1880

■ 21.1050, 3.8980,
-4.5660

■ 21.4470, 2.9350,
-3.6330

■ 21.9740, 2.8890,
-2.7990

■ 22.2020, 2.2470,
-2.1770

■ 22.4300, 1.6050,
-1.5550

■ 22.7720, 0.6420,
-0.6220

Harmonies

Analogous

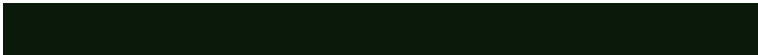
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7100, 12.3800, -4.1000



20.0790, 6.7870, -7.3650



18.6910, -3.8040, -8.1560

Triad

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



20.0790, 6.7870, -7.3650



18.4370, -17.4680, -2.8120



22.5930, 8.7560, 6.5160

Complementary

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



20.0790, 6.7870, -7.3650



2.9210, -6.7870, 7.3650

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.



22.7710, 2.3830, 6.3750



20.0790, 6.7870, -7.3650



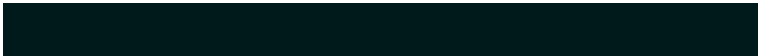
19.3990, -14.3050, 0.4390

Square

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



20.0790, 6.7870, -7.3650



18.3400, -15.8170, -5.2010



21.7100, -4.8150, 4.6650



21.8660, 12.2410, 3.9290

Rectangle

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



20.0790, 6.7870, -7.3650



17.3850, -11.6900, -8.4100



21.7100, -4.8150, 4.6650



22.5220, 7.5180, 6.9260

Sweetspot

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



20.0790, 6.7870, -7.3650



29.5610, 2.6140, -3.3220



7.4640, 13.4330, 4.3530



14.4300, 1.6050, -1.5550



143.0000, -0.0000, 0.0000



15.0000, -0.0000, -0.0000

Same Dimension

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



20.0790, 6.7870, -7.3650



26.8680, 8.7590, -10.0650



16.7900, 0.2310, -9.6970



12.7720, 0.6420, -0.6220



67.0260, 22.3330, -24.7950



178.0530, 60.1200, -65.3520

Inverse Universe

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



2.9210, -6.7870, 7.3650



3.8330, -9.3550, 9.8530



6.2100, -0.2310, 9.6970



11.5270, -0.0460, 0.8340



9.6750, -22.9290, 24.5830



25.9470, -60.1200, 65.3520

Previews

White Background



This preview shows how the YIQ color 20.0790, 6.7870, -7.3650 looks on a white background.

Color Contrast Check

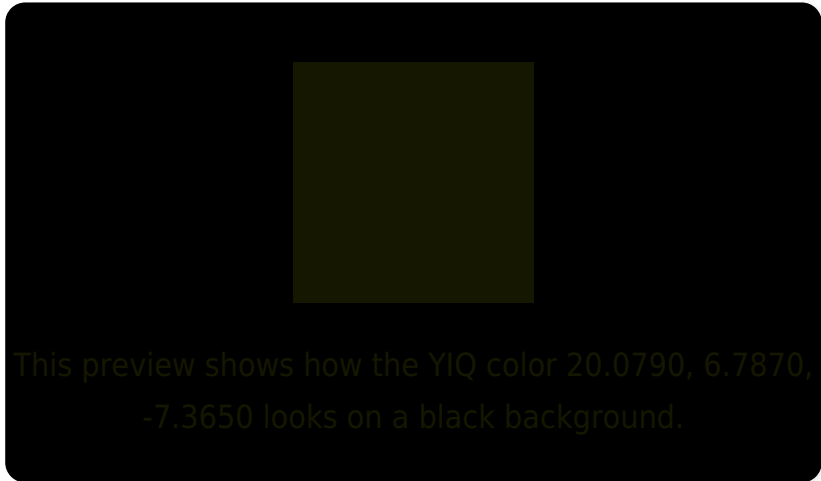
Large Text (above 18pt) WCAG AA ✓ Pass

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

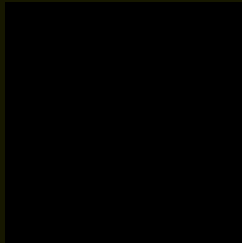
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

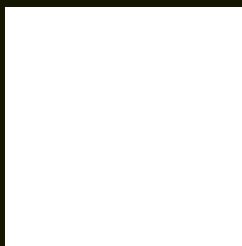
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 20.0790, 6.7870, -7.3650

Background



This preview shows how black text looks on a background with the YIQ color 20.0790, 6.7870, -7.3650.



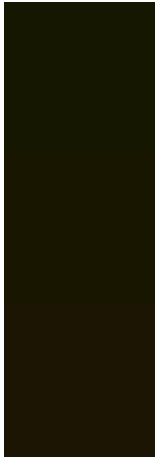
This preview shows how white text looks on a background with the YIQ color 20.0790, 6.7870,

-7.3650.

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

20.0790, 6.7870, -7.3650

Protanopia

20.3890, 8.8500, -6.2060

Deuteranopia

21.1550, 9.6290, -3.8030



Tritanopia

22.1250, 1.1460, 1.2580

Trichromacy



Original Color

20.0790, 6.7870, -7.3650

Protanomaly

20.0900, 8.2540, -6.4180

Deuteranomaly

21.0300, 8.4830, -5.0610

Tritanomaly

21.5010, 2.8430, -1.9650

Monochromacy



Original Color

20.0790, 6.7870, -7.3650

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

20.0880, 2.5680, -2.4880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.0790, 6.7870, -7.3650 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(22, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 23, 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(22, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 23, 0) }
```

Border

The CSS property to change the border of an element to YIQ 20.0790, 6.7870, -7.3650 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(22, 23, 0) }
```


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

```
.border{ border-color:rgb(22, 23, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 23, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 23, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(22, 23, 0); box-shadow:4px  
4px 4px 4px rgb(22, 23, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 20.0790, 6.7870, -7.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 23, 0) }
```

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

```
.background{ background-color: rgb(22, 23,  
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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