

Converting Colors

YIQ(20.6690, 2.4300, 0.0140)

Have a look what the booklet for
YIQ(20.6690, 2.4300, 0.0140)
contains.

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Color

YIQ(20.6690, 2.4300, 0.0140)

Conversions

Conversions Part 1

Format	Color
Hex	171412
RGB	23, 20, 18
RGB Percent	9%, 8%, 7%
CMY	0.9098, 0.9216, 0.9294
CMYK	0.00, 0.13, 0.22, 0.91
HSL	24°, 12%, 8%
HSV	24°, 22%, 9%
XYZ	0.7127, 0.7261, 0.6750
YIQ	20.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

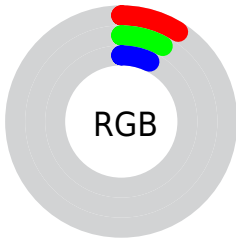
Format	Color
R_{YB}	23, 21, 18
Decimal	1512466
CIE Lab	6.56, 0.92, 1.65
CIE LCh	7, 1.895, 60.806
Yxy	0.7261, 0.3372, 0.3435
Android (android.graphics.Color)	4279702546 (0xFF171412)
YUV	20.6690, -1.3158, 2.0443
Hunter-Lab	8.5213, 0.0175, 1.2685

Details

The YIQ color **20.6690, 2.4300, 0.0140** is a dark color, and the websafe version is hex **000000**, and the color name is **black (kokushoku)**. A complement of this color would be **20.3310, -2.4300, -0.0140**, and the grayscale version is **21.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **62.6690, 2.4300, 0.0140**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **19.8540, 3.3470, -0.0850**, and if you desaturate by 10%, it is **21.4840, 1.5130, 0.1130**.

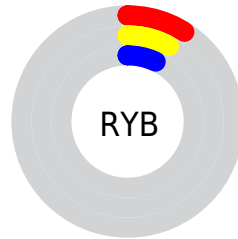
Distribution



Red (9%)

Green (8%)

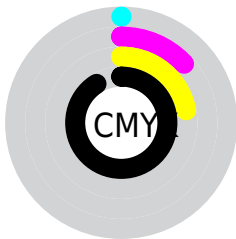
Blue (7%)



Red (9%)

Yellow (8%)

Blue (7%)

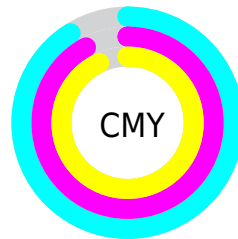


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (91%)



Cyan (91%)

Magenta (92%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.6690, 2.4300, 0.0140 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 20.6690, 2.4300, 0.0140 by changing the saturation by 10% instead.

■ 20.6690, 2.4300,
0.0140

■ 20.6690, 2.4300,
0.0140

■ 244.9680, 3.0260,
0.2260

■ 0.0000, 0.0000,
0.0000

■ 62.6690, 2.4300,
0.0140

■ 85.9680, 3.0260,
0.2260

■ 110.6690, 2.4300,
0.0140

■ 135.9680, 3.0260,
0.2260

■ 161.9680, 3.0260,
0.2260

■ 188.9680, 3.0260,

0.2260

■ 216.9680, 3.0260,
0.2260

■ 20.6690, 2.4300,
0.0140

■ 20.6690, 2.4300,
0.0140

■ 19.8540, 3.3470,
-0.0850

■ 21.4840, 1.5130,
0.1130

■ 18.3380, 4.8600,
0.0280

■ 23.0000, 0.0000,
-0.0000

■ 17.5230, 5.7770,
-0.0710

■ 23.8150, -0.9170,
0.0990

■ 16.1210, 6.9690,
0.3530

■ 25.2170, -2.1090,
-0.3250

■ 15.3060, 7.8860,
0.2540

■ 26.1460, -3.3470,
0.0850

■ 14.3770, 9.1240,
-0.1560

■ 26.9610, -4.2640,
0.1840

■ 12.9750, 10.3160,
0.2680

■ 28.3630, -5.4560,
-0.2400

■ 12.1600, 11.2330,
0.1690

■ 29.1780, -6.3730,
-0.1410

■ 30.1070, -7.6110,
0.2690

Harmonies

Analogous

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



21.0820, 2.7050, 0.5370



20.6690, 2.4300, 0.0140



20.3700, 1.8340, -0.1980

Triad

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



20.6690, 2.4300, 0.0140



19.8040, -2.3840, -0.8480



20.6410, -0.3670, 1.1450

Complementary

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



20.6690, 2.4300, 0.0140



20.3310, -2.4300, -0.0140

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.



20.6300, -1.8340, 0.1980



20.6690, 2.4300, 0.0140



19.9180, -2.7050, -0.5370

Square

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



20.6690, 2.4300, 0.0140



19.8750, -1.1460, -1.2580



20.3310, -2.4300, -0.0140



20.8260, 0.5500, 1.0460

Rectangle

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



20.6690, 2.4300, 0.0140



20.6580, 0.9630, -0.9330



20.3310, -2.4300, -0.0140



20.3420, -0.9630, 0.9330

Sweetspot

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



20.6690, 2.4300, 0.0140



29.4840, 1.5130, 0.1130



19.8370, 2.0170, 1.9930



14.8860, 0.3210, -0.3110



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.



20.6690, 2.4300, 0.0140



27.1530, 3.9430, 0.1270



21.8430, 1.8800, -1.0320



12.1850, 0.9170, -0.0990



41.2200, 37.3670, 0.1110



108.5430, 99.3090, 0.8850

Inverse Universe

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



20.3310, -2.4300, -0.0140



26.2600, -3.6680, 0.3960



19.1570, -1.8800, 1.0320



11.8150, -0.9170, 0.0990



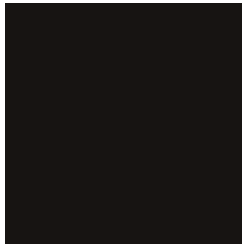
35.7800, -37.3670, -0.1110



95.4570, -99.3090, -0.8850

Previews

White Background



This preview shows how the YIQ color 20.6690, 2.4300, 0.0140 looks on a white background.

Color Contrast Check

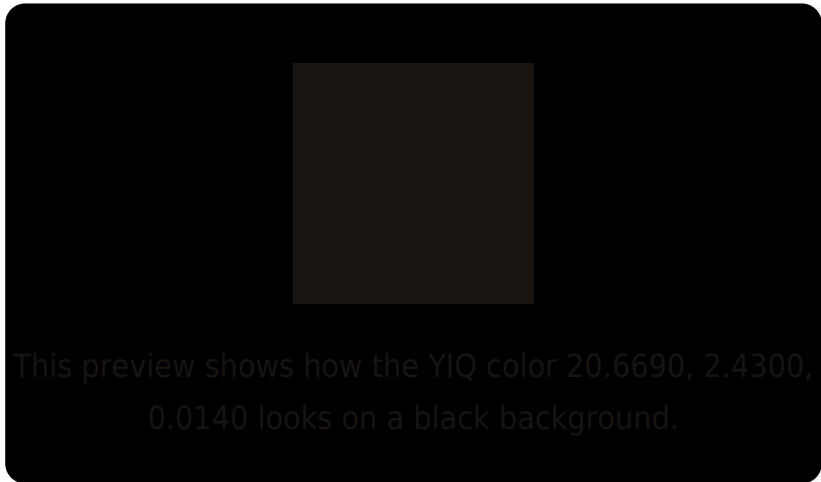
Large Text (above 18pt) WCAG AA ✓ Pass

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

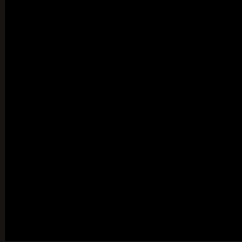
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.6690, 2.4300, 0.0140

Background



This preview shows how black text looks on a background with the YIQ color 20.6690, 2.4300, 0.0140.

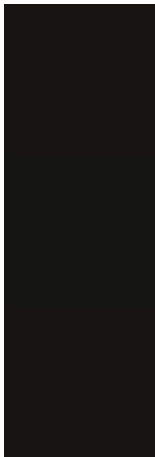


This preview shows how white text looks on a background with the YIQ color 20.6690, 2.4300, 0.0140.

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

20.6690, 2.4300, 0.0140

Protanopia

20.6580, 0.9630, -0.9330

Deuteranopia

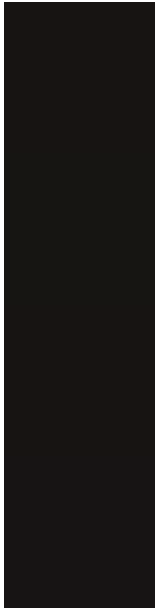
20.6690, 2.4300, 0.0140



Tritanopia

21.0110, 1.4670, 0.9470

Trichromacy



Original Color

20.6690, 2.4300, 0.0140

Protanomaly

20.9570, 1.5590, -0.7210

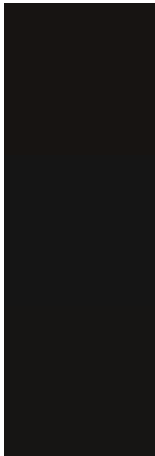
Deuteranomaly

20.6690, 2.4300, 0.0140

Tritanomaly

20.8970, 1.7880, 0.6360

Monochromacy



Original Color

20.6690, 2.4300, 0.0140

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

21.1850, 0.9170, -0.0990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.6690, 2.4300, 0.0140 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(23, 20, 18)` looks like.

```
.text, #text, p{  
    color:rgb(23, 20, 18)  
}
```

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(23, 20, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 20, 18) }
```

Border

The CSS property to change the border of an element to YIQ 20.6690, 2.4300, 0.0140 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(23, 20, 18) }
```

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

```
.border{ border-color:rgb(23, 20, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 20, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 20, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 20, 18);  
box-shadow:4px 4px 4px 4px rgb(23, 20, 18)  
}
```


Background

The CSS property to change the background color of an element to YIQ 20.6690, 2.4300, 0.0140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 20, 18) }
```

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

```
.background{ background-color: rgb(23, 20,  
18) }
```

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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