

Converting Colors

YIQ(71.6690, 20.7660, 20.1420)

Have a look what the booklet for
YIQ(71.6690, 20.7660, 20.1420)
contains.

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Color

**YIQ(71.6690, 20.7660,
20.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	683553
RGB	104, 53, 83
RGB Percent	41%, 21%, 33%
CMY	0.5920, 0.7922, 0.6744
CMYK	0.00, 0.49, 0.20, 0.59
HSL	325°, 33%, 31%
HSV	325°, 49%, 41%
XYZ	8.5471, 6.1142, 8.9163
YIQ	71.6690, 20.7660, 20.1420

Conversions

Conversions Part 2

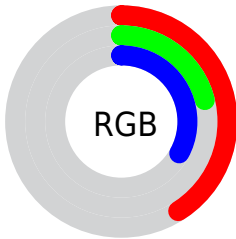
Format	Color
R_{YB}	104, 53, 83
Decimal	6829395
CIE _{Lab}	29.70, 27.03, -8.06
CIE _{LCh}	30, 28.206, 343.397
Yxy	6.1142, 0.3625, 0.2593
Android (android.graphics.Color)	4285019475 (0xFF683553)
YUV	71.6690, 5.5862, 28.3543
Hunter-Lab	24.7269, 18.4281, -4.0707

Details

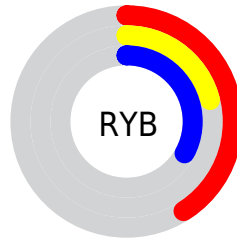
The YIQ color **71.6690, 20.7660, 20.1420** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **85.3310, -20.7660, -20.1420**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.2780, 23.4250, 21.5130**, and **24.2990, 18.9320, 20.3400** is the 20% darker color. If you saturate the color by 10%, you get **65.3430, 24.8000, 24.1280**, and if you desaturate by 10%, it is **77.9950, 16.7320, 16.1560**.

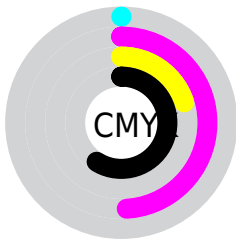
Distribution



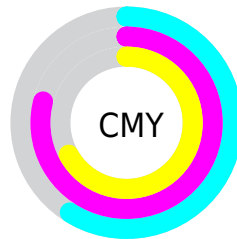
- Red (41%)
- Green (21%)
- Blue (33%)



- Red (41%)
- Yellow (21%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (20%)
- Black (59%)



- Cyan (59%)
- Magenta (79%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.6690, 20.7660, 20.1420 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 71.6690, 20.7660, 20.1420 by changing the saturation by 10% instead.

■ 71.6690, 20.7660,
20.1420

■ 71.6690, 20.7660,
20.1420

■ 255.0000, -0.0000,
-0.0000

■ 48.0710, 19.5740,
19.7180

■ 121.2780, 23.4250,
21.5130

■ 24.2990, 18.9320,
20.3400

■ 147.6910, 23.7000,
22.0360

■ 12.8160, 15.6780,
13.2300

■ 174.4030, 24.5710,
22.7710

■ 0.0000, 0.0000,
0.0000

■ 202.0010, 25.7630,
23.1950

■ 225.9290, 17.0980,
20.5380

■ 243.8470, 5.2250,

9.9370

■ 71.6690, 20.7660,
20.1420

■ 71.6690, 20.7660,
20.1420

■ 65.3430, 24.8000,
24.1280

■ 77.9950, 16.7320,
16.1560

■ 58.3160, 29.4300,
28.3260

■ 85.0220, 12.1020,
11.9580

■ 51.9900, 33.4640,
32.3120

■ 91.3480, 8.0680,
7.9720

■ 45.0770, 37.7730,
36.8210

■ 98.2610, 3.7590,
3.4630

■ 38.7510, 41.8070,
40.8070

■ 104.5870, -0.2750,
-0.5230

■ 38.0500, 42.4030,
41.0190

■ 111.0270, -4.6300,
-4.1980

■ 117.9400, -8.9390,
-8.7070

■ 124.2660,
-12.9730, -12.6930

■ 131.2930,
-17.6030, -16.8910

Harmonies

Analogous

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



71.9640, 0.8220, 18.1500



71.6690, 20.7660, 20.1420



70.0800, 32.5500, 15.8300

Triad

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



71.6690, 20.7660, 20.1420



66.9410, 15.6830, -14.4050



58.2460, -53.7790, -11.0510

Complementary

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



71.6690, 20.7660, 20.1420



85.3310, -20.7660, -20.1420

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.



56.5530, -47.6340, -17.7940



71.6690, 20.7660, 20.1420



64.0680, -3.8480, -18.3760

Square

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



71.6690, 20.7660, 20.1420



68.4530, 29.1610, -5.3590



56.4480, -34.3370, -21.9930



57.3800, -56.8520, -4.9160

Rectangle

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



71.6690, 20.7660, 20.1420



69.6470, 35.0270, 9.4830



56.4480, -34.3370, -21.9930



57.5620, -51.8530, -12.9170

Sweetspot

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



71.6690, 20.7660, 20.1420



122.3480, 8.0680, 7.9720



64.7940, -4.4510, 20.1010



60.7990, 5.1800, 5.2440



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



71.6690, 20.7660, 20.1420



84.2780, 32.5930, 31.5770



68.8190, 28.7910, 12.3670



47.8370, 2.0170, 1.9930



42.1370, 46.7120, 45.5280



88.6600, 98.3290, 95.7770

Inverse Universe

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



71.6690, 20.7660, 20.1420



84.2780, 32.5930, 31.5770



88.1810, -28.7910, -12.3670



47.8370, 2.0170, 1.9930



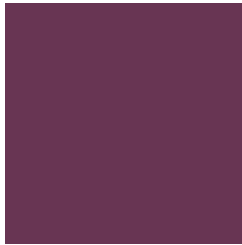
42.1370, 46.7120, 45.5280



88.6600, 98.3290, 95.7770

Previews

White Background



This preview shows how the YIQ color 71.6690, 20.7660, 20.1420 looks on a white background.

Color Contrast Check

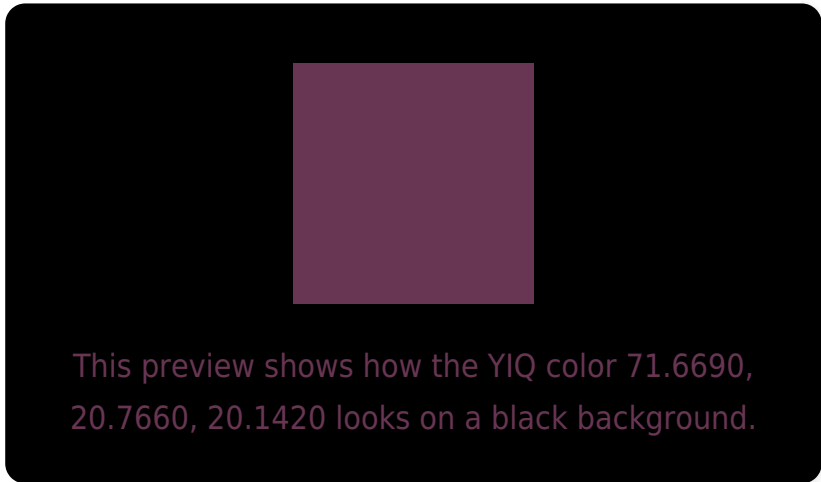
Large Text (above 18pt) WCAG AA ✓ Pass

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 71.6690, 20.7660, 20.1420

Background



This preview shows how black text looks on a background with the YIQ color 71.6690, 20.7660, 20.1420.



This preview shows how white text looks on a background with the YIQ color 71.6690, 20.7660,

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

71.6690, 20.7660, 20.1420

Protanopia

70.7570, -12.1970, 6.2910

Deuteranopia

71.4500, -1.1470, 4.2690



Tritanopia

71.0250, 25.2150, 11.0950

Trichromacy



Original Color

71.6690, 20.7660, 20.1420

Protanomaly

71.2640, -0.3230, 11.3650

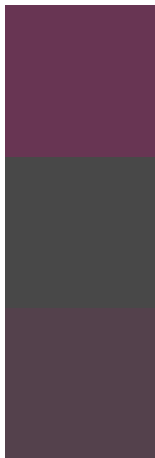
Deuteranomaly

71.3310, 6.7380, 10.0500

Tritanomaly

71.6490, 23.5180, 14.3180

Monochromacy



Original Color

71.6690, 20.7660, 20.1420

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

71.9350, 7.7930, 7.4490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.6690, 20.7660, 20.1420 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(104, 53, 83)` looks like.

```
.text, #text, p{  
    color:rgb(104, 53, 83)  
}
```

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(104, 53, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 53, 83) }
```

Border

The CSS property to change the border of an element to YIQ 71.6690, 20.7660, 20.1420 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(104, 53, 83) }
```


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

```
.border{ border-color:rgb(104, 53, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 53, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 53, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 53, 83);  
box-shadow:4px 4px 4px 4px rgb(104, 53,  
83) }
```

Background

The CSS property to change the background color of an element to YIQ 71.6690, 20.7660, 20.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 53, 83) }
```

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

```
.background{ background-color: rgb(104, 53,  
83) }
```

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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