

Converting Colors

YIQ(80.0040, 20.5400, 2.2040)

Have a look what the booklet for
YIQ(80.0040, 20.5400, 2.2040)
contains.

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Color

**YIQ(80.0040, 20.5400,
2.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	65493D
RGB	101, 73, 61
RGB Percent	40%, 29%, 24%
CMY	0.6039, 0.7138, 0.7607
CMYK	0.00, 0.28, 0.40, 0.60
HSL	18°, 25%, 32%
HSV	18°, 40%, 40%
XYZ	8.5932, 7.8683, 5.4840
YIQ	80.0040, 20.5400, 2.2040

Conversions

Conversions Part 2

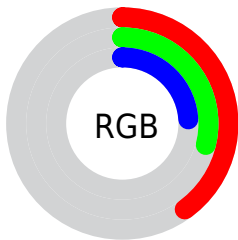
Format	Color
RYB	101, 78, 61
Decimal	6637885
CIELab	33.71, 10.16, 11.84
CIElCh	34, 15.600, 49.384
Yxy	7.8683, 0.3916, 0.3585
Android (android.graphics.Color)	4284827965 (0xFF65493D)
YUV	80.0040, -9.3690, 18.4135
Hunter-Lab	28.0505, 5.5949, 8.0439

Details

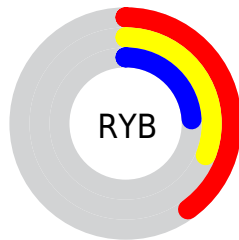
The YIQ color **80.0040, 20.5400, 2.2040** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **81.9960, -20.5400, -2.2040**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **129.6730, 22.9700, 2.2180**, and **35.0360, 17.5140, 1.9780** is the 20% darker color. If you saturate the color by 10%, you get **74.7550, 25.6750, 2.7550**, and if you desaturate by 10%, it is **85.2530, 15.4050, 1.6530**.

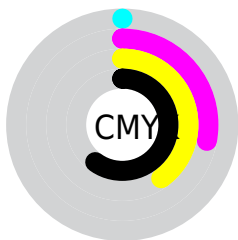
Distribution



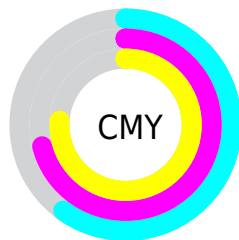
- Red (40%)
- Green (29%)
- Blue (24%)



- Red (40%)
- Yellow (31%)
- Blue (24%)



- Cyan (0%)
- Magenta (28%)
- Yellow (40%)
- Black (60%)



- Cyan (60%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.0040, 20.5400, 2.2040 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 80.0040, 20.5400, 2.2040 by changing the saturation by 10% instead.

■ 80.0040, 20.5400,
2.2040

■ 80.0040, 20.5400,
2.2040

■ 255.0000, -0.0000,
-0.0000

■ 56.5200, 19.0270,
2.0910

■ 129.6730, 22.9700,
2.2180

■ 35.0360, 17.5140,
1.9780

■ 155.3850, 23.8410,
2.9530

■ 12.5030, 17.6970,
4.1690

■ 182.5700, 24.7580,
2.8540

■ 0.0000, 0.0000,
0.0000

■ 210.1680, 25.9500,
3.2780

■ 235.7650, 19.7150,
0.6350

■ 253.6320, 3.8520,

-3.7320

■ 80.0040, 20.5400,
2.2040

■ 80.0040, 20.5400,
2.2040

■ 74.7550, 25.6750,
2.7550

■ 85.2530, 15.4050,
1.6530

■ 69.5060, 30.8100,
3.3060

■ 90.5020, 10.2700,
1.1020

■ 64.2570, 35.9450,
3.8570

■ 95.7510, 5.1350,
0.5510

■ 59.0080, 41.0800,
4.4080

■ 101.0000, -0.0000,
0.0000

■ 53.7590, 46.2150,
4.9590

■ 106.3630, -5.4560,
-0.2400

■ 48.3960, 51.6710,
5.1990

■ 111.6120,
-10.5910, -0.7910

■ 47.8090, 51.9460,
5.7220

■ 117.4480,
-16.0010, -1.8650

■ 122.6970,
-21.1360, -2.4160

■ 127.9460,
-26.2710, -2.9670

Harmonies

Analogous

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



80.3940, 19.6220, 7.8300



80.0040, 20.5400, 2.2040



78.9770, 16.0020, -3.6620

Triad

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



80.0040, 20.5400, 2.2040



74.4660, -16.4120, -10.9400



79.8390, -9.4920, 6.8280

Complementary

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



80.0040, 20.5400, 2.2040



81.9960, -20.5400, -2.2040

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.



77.2180, -21.0450, 1.4430



80.0040, 20.5400, 2.2040



73.2570, -25.9490, -8.8050

Square

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



80.0040, 20.5400, 2.2040



76.2240, -3.9870, -10.3470



74.2230, -28.6090, -4.6490



80.8900, 3.6660, 10.6580

Rectangle

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



80.0040, 20.5400, 2.2040



78.3460, 10.4090, -6.9270



74.2230, -28.6090, -4.6490



78.7460, -13.6640, 5.3440

Sweetspot

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



80.0040, 20.5400, 2.2040



121.7190, 8.1610, 0.7770



76.2660, 14.5310, 17.4990



61.4520, 4.5390, 0.3390



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



80.0040, 20.5400, 2.2040



97.1040, 32.0020, 3.7300



91.1570, 15.3150, -7.7330



48.0820, 2.7050, 0.5370



54.3430, 59.1900, 6.5980



114.6220, 124.4320, 13.6480

Inverse Universe

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



81.9960, -20.5400, -2.2040



100.3090, -31.7270, -3.2070



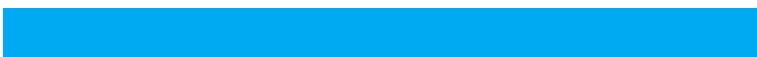
70.8430, -15.3150, 7.7330



48.3310, -2.4300, -0.0140



60.0700, -58.9150, -6.0750



127.3780, -124.4320, -13.6480

Previews

White Background



This preview shows how the YIQ color 80.0040, 20.5400, 2.2040 looks on a white background.

Color Contrast Check

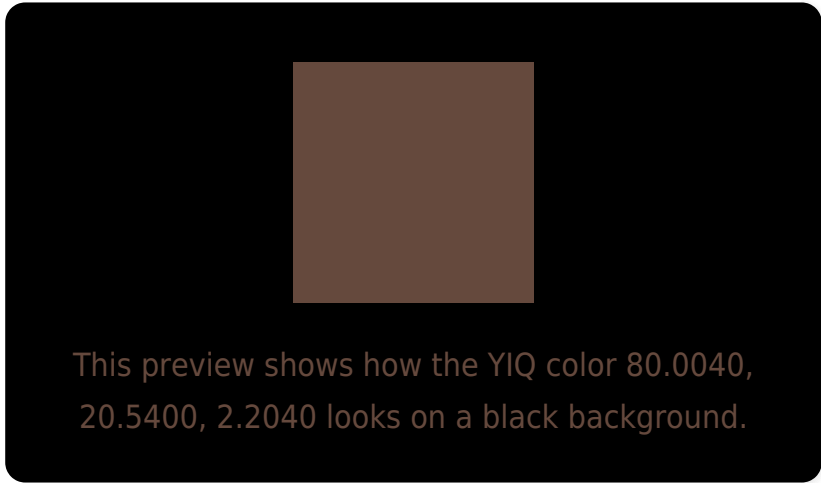
Large Text (above 18pt) WCAG AA ✓ Pass

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

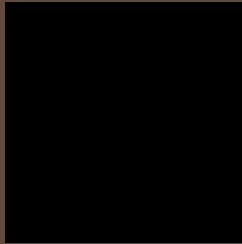
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.0040, 20.5400, 2.2040

Background



This preview shows how black text looks on a background with the YIQ color 80.0040, 20.5400, 2.2040.

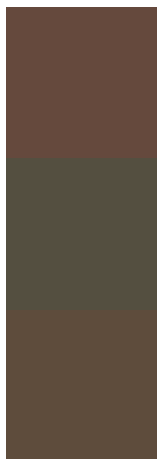


This preview shows how white text looks on a background with the YIQ color 80.0040, 20.5400,

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

80.0040, 20.5400, 2.2040

Protanopia

78.7850, 7.7950, -3.6050

Deuteranopia

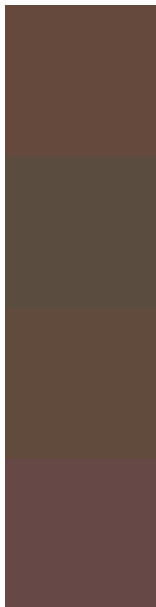
79.5580, 15.8640, -1.1600



Tritanopia

80.8390, 16.8710, 8.1270

Trichromacy



Original Color

80.0040, 20.5400, 2.2040

Protanomaly

79.2910, 12.2420, -1.5980

Deuteranomaly

79.8680, 17.9270, -0.0010

Tritanomaly

80.8560, 18.2010, 6.0490

Monochromacy



Original Color

80.0040, 20.5400, 2.2040

Achromatopsia

80.0000, 0.0000, -0.0000

Achromatomaly

79.8330, 7.8400, 1.0880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.0040, 20.5400, 2.2040 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(101, 73, 61)` looks like.

```
.text, #text, p{  
    color:rgb(101, 73, 61)  
}
```

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(101, 73, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 73, 61) }
```

Border

The CSS property to change the border of an element to YIQ 80.0040, 20.5400, 2.2040 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(101, 73, 61) }
```


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

```
.border{ border-color:rgb(101, 73, 61) }
```

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

Here you see how a box with a 4 pixel rgb(101, 73, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 73, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 73, 61);  
box-shadow:4px 4px 4px 4px rgb(101, 73,  
61) }
```

Background

The CSS property to change the background color of an element to YIQ 80.0040, 20.5400, 2.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 73, 61) }
```

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

```
.background{ background-color: rgb(101, 73,  
61) }
```

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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