

Converting Colors

YIQ(120.7500, 32.0980,
-20.0460)

Have a look what the booklet for
YIQ(120.7500, 32.0980, -20.0460)
contains.

YIQ(120.7500, 32.0980, -20.0460)	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(120.7500, 32.0980,
-20.0460)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7D33
RGB	139, 125, 51
RGB Percent	55%, 49%, 20%
CMY	0.4549, 0.5098, 0.7998
CMYK	0.00, 0.10, 0.63, 0.45
HSL	50°, 46%, 37%
HSV	50°, 63%, 55%
XYZ	18.5783, 20.3938, 6.0946
YIQ	120.7500, 32.0980, -20.0460

Conversions

Conversions Part 2

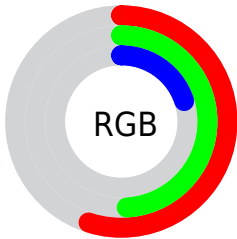
Format	Color
R _Y B	68, 139, 51
Decimal	9141555
CIE Lab	52.28, -4.13, 41.22
CIE LCh	52, 41.425, 95.727
Yxy	20.3938, 0.4122, 0.4525
Android (android.graphics.Color)	4287331635 (0xFF8B7D33)
YUV	120.7500, -34.3867, 16.0053
Hunter-Lab	45.1595, -5.5953, 23.6100

Details

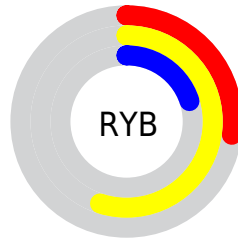
The YIQ color **120.7500, 32.0980, -20.0460** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **69.2500, -32.0980, 20.0460**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **173.7180, 35.1240, -19.8200**, and **70.3260, 30.3560, -21.5160** is the 20% darker color. If you saturate the color by 10%, you get **117.9800, 37.1420, -23.3540**, and if you desaturate by 10%, it is **123.5200, 27.0540, -16.7380**.

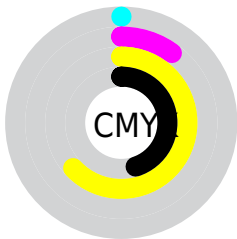
Distribution



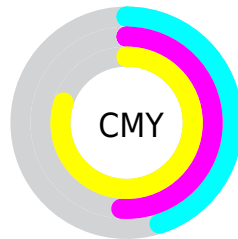
- Red (55%)
- Green (49%)
- Blue (20%)



- Red (27%)
- Yellow (55%)
- Blue (20%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)
- Black (45%)



- Cyan (45%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 120.7500, 32.0980, -20.0460 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 120.7500, 32.0980, -20.0460 by changing the saturation by 10% instead.


 120.7500, 32.0980,
-20.0460


 120.7500, 32.0980,
-20.0460


 255.0000, -0.0000,
-0.0000


 95.1520, 30.9060,
-20.4700


 173.7180, 35.1240,
-19.8200

 70.3260, 30.3560,
-21.5160


 201.4900, 35.7660,
-20.4420


 49.9370, 21.5060,
-15.3100

 229.8600, 37.6000,
-20.6400

 30.1350, 12.3810,
-9.6270

 246.4500, 24.0750,
-23.3250

 7.0550, -1.8330,
-5.3290

 249.6420, 15.0870,
-14.6170

 0.0000, 0.0000,
0.0000

 252.9480, 5.7780,

-5.5980

■ 120.7500, 32.0980,
-20.0460

■ 120.7500, 32.0980,
-20.0460

■ 117.9800, 37.1420,
-23.3540

■ 123.5200, 27.0540,
-16.7380

■ 115.2100, 42.1860,
-26.6620

■ 126.2900, 22.0100,
-13.4300

■ 111.8530, 47.5050,
-29.4470

■ 129.6470, 16.6910,
-10.6450

■ 110.2400, 50.6690,
-31.7230

■ 132.4170, 11.6470,
-7.3370

■ 135.1870, 6.6030,
-4.0290

■ 137.8430, 1.8800,
-1.0320

■ 140.6130, -3.1640,
2.2760

■ 143.9700, -8.4830,
5.0610

■ 146.7400,
-13.5270, 8.3690

Harmonies

Analogous

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



123.1150, 50.6640, -4.0880



120.7500, 32.0980, -20.0460



117.1530, 2.8020, -28.7660

Triad

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



120.7500, 32.0980, -20.0460



101.5770, -91.7400, -22.4280



128.3960, 26.4490, 32.7930

Complementary

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



120.7500, 32.0980, -20.0460



69.2500, -32.0980, 20.0460

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.



127.8570, -8.7620, 26.6460



120.7500, 32.0980, -20.0460



101.3780, -98.0690, -12.3490

Square

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



120.7500, 32.0980, -20.0460



98.8750, -81.3760, -34.0480



118.3180, -53.1410, 10.4350



125.5540, 49.1910, 28.1270

Rectangle

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



120.7500, 32.0980, -20.0460



112.2840, -22.5520, -31.8320



118.3180, -53.1410, 10.4350



128.8940, 16.1790, 31.6910

Sweetspot

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



120.7500, 32.0980, -20.0460



174.1890, 12.2890, -7.9590



79.0220, 47.6330, 23.3210



87.2580, 7.8410, -4.4390



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



120.7500, 32.0980, -20.0460



152.3540, 50.3480, -31.4120



120.2970, 10.9640, -33.5160



67.6150, 2.5220, -1.6540



104.9240, 48.7430, -29.8570



3.8430, 1.8800, -1.0320

Inverse Universe

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



69.2500, -32.0980, 20.0460



71.6460, -50.3480, 31.4120



69.7030, -10.9640, 33.5160



63.3850, -2.5220, 1.6540



27.4890, -48.4680, 30.3800



1.1570, -1.8800, 1.0320

Previews

White Background



This preview shows how the YIQ color 120.7500, 32.0980, -20.0460 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 120.7500, 32.0980, -20.0460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

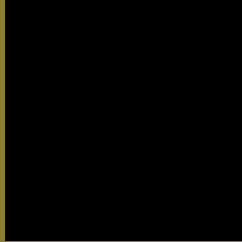
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.7500, 32.0980, -20.0460

Background



This preview shows how black text looks on a background with the YIQ color 120.7500, 32.0980, -20.0460.



This preview shows how white text looks on a background with the YIQ color 120.7500, 32.0980,

-20.0460.

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

120.7500, 32.0980, -20.0460

Protanopia

120.7500, 32.0980, -20.0460

Deuteranopia

122.2400, 42.6420, -12.8940



Tritanopia

126.3980, 13.7990, 8.7350

Trichromacy



Original Color

120.7500, 32.0980, -20.0460

Protanomaly

120.7500, 32.0980, -20.0460

Deuteranomaly

121.5060, 38.8370, -15.5230

Tritanomaly

124.4830, 20.4490, -1.6550

Monochromacy



Original Color

120.7500, 32.0980, -20.0460

Achromatopsia

121.0000, -0.0000, 0.0000

Achromatomaly

120.8300, 11.9220, -6.8140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.7500, 32.0980, -20.0460 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(139, 125, 51)` looks like.

```
.text, #text, p{  
    color:rgb(139, 125, 51)  
}
```

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(139, 125, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 125, 51) }
```

Border

The CSS property to change the border of an element to YIQ 120.7500, 32.0980, -20.0460 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(139, 125, 51) }
```


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

```
.border{ border-color:rgb(139, 125, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 125, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 125, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 125, 51);  
box-shadow:4px 4px 4px 4px rgb(139, 125,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 120.7500, 32.0980, -20.0460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 125, 51) }
```

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

```
.background{ background-color: rgb(139,  
125, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor