

Converting Colors

YIQ(120.1770, -22.9680,
-13.2720)

Have a look what the booklet for
YIQ(120.1770, -22.9680, -13.2720)
contains.

YIQ(120.1770, -22.9680, -13.2720)	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(120.1770, -22.9680,
-13.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	5A877B
RGB	90, 135, 123
RGB Percent	35%, 53%, 48%
CMY	0.6472, 0.4705, 0.5177
CMYK	0.33, 0.00, 0.09, 0.47
HSL	164°, 20%, 44%
HSV	164°, 33%, 53%
XYZ	16.4541, 20.9349, 21.9057
YIQ	120.1770, -22.9680, -13.2720

Conversions

Conversions Part 2

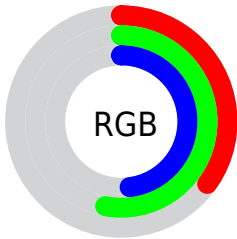
Format	Color
R_{YB}	90, 116, 135
Decimal	5932923
CIE _{Lab}	52.88, -18.22, 1.56
CIE _{LCh}	53, 18.291, 175.094
Y _{xy}	20.9349, 0.2775, 0.3531
Android (android.graphics.Color)	4284123003 (0xFF5A877B)
YUV	120.1770, 1.3917, -26.4652
Hunter-Lab	45.7547, -15.8796, 3.6425

Details

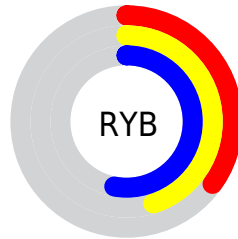
The YIQ color **120.1770, -22.9680, -13.2720** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **104.8230, 22.9680, 13.2720**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **172.7640, -23.2430, -13.7950**, and **70.5900, -22.6930, -12.7490** is the 20% darker color. If you saturate the color by 10%, you get **115.5350, -30.0280, -17.4840**, and if you desaturate by 10%, it is **124.5200, -16.5040, -9.2720**.

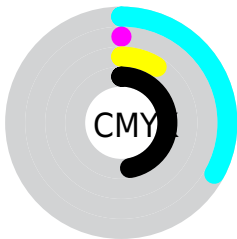
Distribution



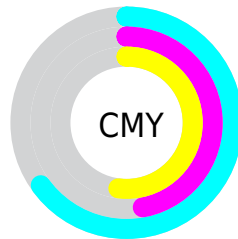
- Red (35%)
- Green (53%)
- Blue (48%)



- Red (35%)
- Yellow (45%)
- Blue (53%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)



- Cyan (65%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 120.1770, -22.9680, -13.2720 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 120.1770, -22.9680, -13.2720 by changing the saturation by 10% instead.

■ 120.1770,
-22.9680, -13.2720

■ 120.1770,
-22.9680, -13.2720

■ 255.0000, -0.0000,
-0.0000

■ 95.1770, -22.9680,
-13.2720

■ 172.7640,
-23.2430, -13.7950

■ 70.5900, -22.6930,
-12.7490

■ 200.1660,
-24.4350, -14.2190

■ 47.1060, -24.2060,
-12.8620

■ 228.7530,
-24.7100, -14.7420

■ 26.4270, -20.6760,
-10.7560

■ 245.7310,
-18.4760, -6.5720

■ 11.2500, -6.8760,
-7.5480

■ 254.4020, -1.1920,
-0.4240

■ 0.0000, 0.0000,
0.0000

■ 120.1770,
-22.9680, -13.2720

■ 120.1770,
-22.9680, -13.2720

■ 115.5350,
-30.0280, -17.4840

■ 124.5200,
-16.5040, -9.2720

■ 111.3060,
-36.8130, -21.1730

■ 129.0480, -9.1230,
-5.3710

■ 106.6640,
-43.8730, -25.3850

■ 133.3910, -2.6590,
-1.3710

■ 102.4350,
-50.6580, -29.0740

■ 137.9190, 4.7220,
2.5300

■ 97.7930, -57.7180,
-33.2860

■ 142.2620, 11.1860,
6.5300

■ 93.4500, -64.1820,
-37.2860

■ 146.9040, 18.2460,
10.7420

■ 90.5310, -68.9040,
-39.8160

■ 151.1330, 25.0310,
14.4310

■ 155.7750, 32.0910,

18.6430

 160.0040, 38.8760,
22.3320

Harmonies

Analogous

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



122.0770, -8.0670, -13.4990



120.1770, -22.9680, -13.2720



119.6090, -32.8720, -9.9920

Triad

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



120.1770, -22.9680, -13.2720



127.2460, -9.0800, 10.3760



127.1140, 26.0420, 1.6100

Complementary

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



120.1770, -22.9680, -13.2720



104.8230, 22.9680, 13.2720

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.



128.3300, 25.6740, 8.2820



120.1770, -22.9680, -13.2720



128.7380, 7.1500, 13.5980

Square

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



120.1770, -22.9680, -13.2720



124.1300, -23.6130, 3.9310



128.8550, 19.9420, 13.0460



125.7770, 19.4410, -5.4150

Rectangle

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



120.1770, -22.9680, -13.2720



120.3470, -34.8900, -6.4580



128.8550, 19.9420, 13.0460



127.8800, 26.8210, 4.0130

Sweetspot

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



120.1770, -22.9680, -13.2720



170.0480, -9.1230, -5.3710



120.3020, -4.6270, -20.7790



85.6680, -4.9970, -3.0530



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



120.1770, -22.9680, -13.2720



152.9040, -35.6210, -20.7490



115.6750, -24.0700, -4.3100



64.0920, -3.2550, -1.5830



87.1400, -66.2450, -38.4450



1.9890, -1.4670, -0.9470

Inverse Universe

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



104.8230, 22.9680, 13.2720



128.9820, 35.9420, 20.4380



109.3250, 24.0700, 4.3100



61.9080, 3.2550, 1.5830



42.8600, 66.2450, 38.4450



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 120.1770, -22.9680, -13.2720 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 120.1770, -22.9680, -13.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

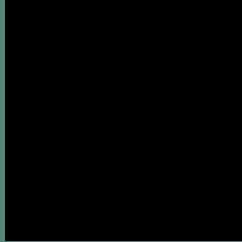
Any Text WCAG AA ✓ Pass

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 120.1770, -22.9680, -13.2720 Background



This preview shows how black text looks on a background with the YIQ color 120.1770, -22.9680, -13.2720.



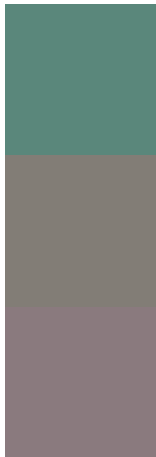
This preview shows how white text looks on a background with the YIQ color 120.1770, -22.9680, -13.2720.

-13.2720.

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

120.1770, -22.9680, -13.2720

Protanopia

125.6970, 5.2270, -1.1170

Deuteranopia

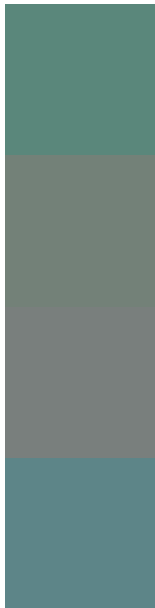
127.2400, 8.2520, 4.6360



Tritanopia

121.8920, -26.1790, -4.6350

Trichromacy



Original Color

120.1770, -22.9680, -13.2720

Protanomaly

123.7880, -5.4550, -5.7670

Deuteranomaly

124.9780, -2.9340, -1.8940

Tritanomaly

121.3820, -24.8030, -7.5470

Monochromacy



Original Color

120.1770, -22.9680, -13.2720

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.7600, -8.2520, -4.6360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.1770, -22.9680, -13.2720 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(90, 135, 123)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 123)  
}
```

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(90, 135, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 123) }
```

Border

The CSS property to change the border of an element to YIQ 120.1770, -22.9680, -13.2720 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(90, 135, 123) }
```


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

```
.border{ border-color:rgb(90, 135, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 123);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 120.1770, -22.9680, -13.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 123) }
```

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

```
.background{ background-color: rgb(90, 135,  
123) }
```

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