

Converting Colors

YIQ(120.4620, -55.2880,
-33.2720)

Have a look what the booklet for
YIQ(120.4620, -55.2880, -33.2720)
contains.

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Color

**YIQ(120.4620, -55.2880,
-33.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9D7D
RGB	47, 157, 125
RGB Percent	18%, 62%, 49%
CMY	0.8160, 0.3841, 0.5100
CMYK	0.70, 0.00, 0.20, 0.38
HSL	163°, 54%, 40%
HSV	163°, 70%, 62%
XYZ	16.9323, 26.2116, 23.5523
YIQ	120.4620, -55.2880, -33.2720

Conversions

Conversions Part 2

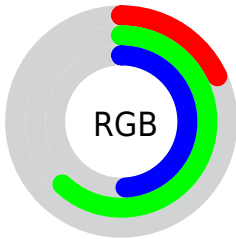
Format	Color
R_{YB}	47, 111, 157
Decimal	3120509
CIE Lab	58.24, -38.65, 7.94
CIE LCh	58, 39.457, 168.394
Yxy	26.2116, 0.2539, 0.3930
Android (android.graphics.Color)	4281310589 (0xFF2F9D7D)
YUV	120.4620, 2.2372, -64.4262
Hunter-Lab	51.1973, -30.5606, 8.5628

Details

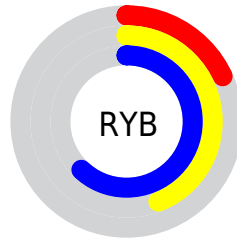
The YIQ color **120.4620, -55.2880, -33.2720** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **83.5380, 55.2880, 33.2720**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **177.0280, -51.0700, -32.6220**, and **70.2990, -53.2710, -31.2790** is the 20% darker color. If you saturate the color by 10%, you get **115.1080, -63.2190, -38.2190**, and if you desaturate by 10%, it is **125.8160, -47.3570, -28.3250**.

Distribution



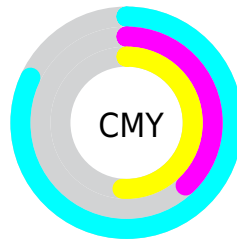
- Red (18%)
- Green (62%)
- Blue (49%)



- Red (18%)
- Yellow (44%)
- Blue (62%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 120.4620, -55.2880, -33.2720 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 120.4620, -55.2880, -33.2720 by changing the saturation by 10% instead.

■ 120.4620,
-55.2880, -33.2720

■ 120.4620,
-55.2880, -33.2720

■ 255.0000, -0.0000,
-0.0000

■ 87.7100, -67.8500,
-36.8900

■ 177.0280,
-51.0700, -32.6220

■ 70.2990, -53.2710,
-31.2790

■ 205.5010,
-51.0240, -33.4560

■ 53.0020, -39.0130,
-25.3570

■ 225.5820,
-46.5780, -25.9220

■ 36.5200, -25.6720,
-19.3360

■ 236.7610,
-36.3560, -12.9320

■ 22.1580, -12.7890,
-16.0290

■ 245.4320,
-19.0720, -6.7840

■ 0.0000, 0.0000,
0.0000

254.4020, -1.1920,

-0.4240

■ 120.4620,
-55.2880, -33.2720

■ 120.4620,
-55.2880, -33.2720

■ 115.1080,
-63.2190, -38.2190

■ 125.8160,
-47.3570, -28.3250

■ 110.1670,
-70.8750, -42.6430

■ 130.7570,
-39.7010, -23.9010

■ 104.8130,
-78.8060, -47.5900

■ 136.1110,
-31.7700, -18.9540

■ 141.3510,
-23.5180, -14.3180

■ 146.4060,
-16.1830, -9.5830

■ 151.6460, -7.9310,
-4.9470

■ 157.0000, 0.0000,
-0.0000

■ 162.3540, 7.9310,
4.9470

■ 167.2950, 15.5870,
9.3710

Harmonies

Analogous

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



130.6120, -11.7320, -29.6840



120.4620, -55.2880, -33.2720



111.1000, -95.1310, -32.5630

Triad

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



120.4620, -55.2880, -33.2720



139.6800, -30.4930, 18.4910



139.8910, 54.6510, 6.2590

Complementary

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



120.4620, -55.2880, -33.2720



83.5380, 55.2880, 33.2720

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.



141.6050, 53.1810, 21.8930



120.4620, -55.2880, -33.2720



144.2350, 7.7890, 29.5570

Square

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



120.4620, -55.2880, -33.2720



125.4240, -77.3470, -2.4270



143.2030, 37.1780, 31.0820



138.0060, 43.4210, -10.4910

Rectangle

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



120.4620, -55.2880, -33.2720



112.3200, -101.3220, -24.9860



143.2030, 37.1780, 31.0820



140.6510, 55.5670, 11.6870

Sweetspot

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



120.4620, -55.2880, -33.2720



189.7750, -21.7760, -12.8480



121.4370, -10.5820, -50.5340



93.7270, -12.6530, -7.4770



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



120.4620, -55.2880, -33.2720



147.1710, -85.8660, -51.8020



111.1960, -59.5100, -11.8140



76.3800, -4.1260, -2.3180



95.4550, -71.7460, -43.3780



10.0590, -7.6560, -4.4240

Inverse Universe

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



83.5380, 55.2880, 33.2720



89.8290, 85.8660, 51.8020



92.8040, 59.5100, 11.8140



73.6200, 4.1260, 2.3180



47.5450, 71.7460, 43.3780



4.9410, 7.6560, 4.4240

Previews

White Background



This preview shows how the YIQ color 120.4620, -55.2880, -33.2720 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 120.4620, -55.2880, -33.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

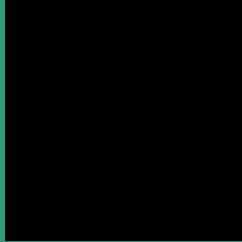
Any Text WCAG AA ✓ Pass

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 120.4620, -55.2880, -33.2720 Background



This preview shows how black text looks on a background with the YIQ color 120.4620, -55.2880, -33.2720.



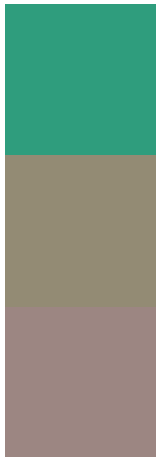
This preview shows how white text looks on a background with the YIQ color 120.4620, -55.2880, -33.2720.

-33.2720.

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

120.4620, -55.2880, -33.2720

Protanopia

138.7700, 12.1510, -5.4570

Deuteranopia

140.1220, 14.3960, 3.4200



Tritanopia

127.3550, -55.7040, -14.7120

Trichromacy



Original Color

120.4620, -55.2880, -33.2720

Protanomaly

132.4570, -12.1930, -15.8170

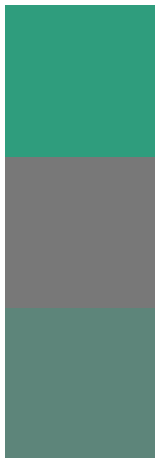
Deuteranomaly

132.6300, -11.0020, -9.8660

Tritanomaly

124.8400, -55.9320, -21.5960

Monochromacy



Original Color

120.4620, -55.2880, -33.2720

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.7860, -20.3090, -11.9010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.4620, -55.2880, -33.2720 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(47, 157, 125)` looks like.

```
.text, #text, p{  
    color:rgb(47, 157, 125)  
}
```

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(47, 157, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 157, 125) }
```

Border

The CSS property to change the border of an element to YIQ 120.4620, -55.2880, -33.2720 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(47, 157, 125) }
```


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

```
.border{ border-color:rgb(47, 157, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 157, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 157, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 157, 125);  
box-shadow:4px 4px 4px 4px rgb(47, 157,  
125) }
```

Background

The CSS property to change the background color of an element to YIQ 120.4620, -55.2880, -33.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 157, 125) }
```

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

```
.background{ background-color: rgb(47, 157,  
125) }
```

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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