

Converting Colors

YIQ(122.9120, -36.9580,
20.0180)

Have a look what the booklet for
YIQ(122.9120, -36.9580, 20.0180)
contains.

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Color

**YIQ(122.9120, -36.9580,
20.0180)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6478C6 |
| RGB | 100, 120, 198 |
| RGB Percent | 39%, 47%, 78% |
| CMY | 0.6078, 0.5294, 0.2237 |
| CMYK | 0.49, 0.39, 0.00, 0.22 |
| HSL | 228°, 46%, 58% |
| HSV | 228°, 49%, 78% |
| XYZ | 22.1600, 20.2191, 56.1289 |
| YIQ | 122.9120, -36.9580, 20.0180 |

Conversions

Conversions Part 2

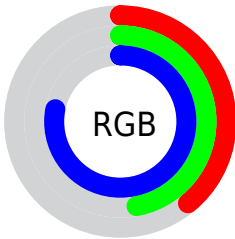
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 100, 117, 198 |
| Decimal | 6584518 |
| CIE _{Lab} | 52.08, 14.27, -42.98 |
| CIE _{LCh} | 52, 45.285, 288.370 |
| Yxy | 20.2191, 0.2250, 0.2053 |
| Android (android.graphics.Color) | 4284774598 (0xFF6478C6) |
| YUV | 122.9120, 37.0184, -20.0938 |
| Hunter-Lab | 44.9657, 9.2785, -42.5333 |

Details

The YIQ color **122.9120, -36.9580, 20.0180** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **175.0880, 36.9580, -20.0180**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.6780, -36.1790, 22.4210**, and **71.2380, -40.9920, 16.0320** is the 20% darker color. If you saturate the color by 10%, you get **107.5400, -44.4780, 24.1460**, and if you desaturate by 10%, it is **138.2840, -29.4380, 15.8900**.

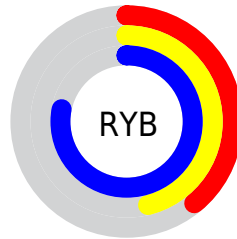
Distribution



Red (39%)

Green (47%)

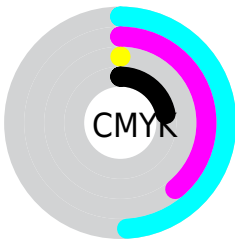
Blue (78%)



Red (39%)

Yellow (46%)

Blue (78%)

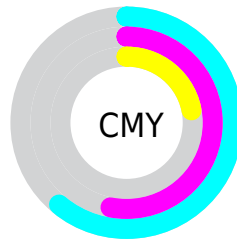


Cyan (49%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (61%)

Magenta (53%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 122.9120, -36.9580, 20.0180 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 122.9120, -36.9580, 20.0180 by changing the saturation by 10% instead.

■ 122.9120,
-36.9580, 20.0180

■ 122.9120,
-36.9580, 20.0180

■ 255.0000, -0.0000,
-0.0000

■ 96.6730, -37.7830,
18.4490

■ 176.6780,
-36.1790, 22.4210

■ 71.2380, -40.9920,
16.0320

■ 200.8990,
-26.9160, 14.2360

■ 42.8020, -51.6280,
10.5480

■ 226.0060,
-17.3320, 5.7400

■ 28.0980, -37.7820,
12.9220

■ 251.1130, -7.7480,
-2.7560

■ 10.1000, -22.9280,
19.0560

■ 6.8910, -15.2700,
12.4260

■ 3.3230, -7.9790,

6.9410

■ 0.0000, 0.0000,
0.0000

■ 122.9120,
-36.9580, 20.0180

■ 122.9120,
-36.9580, 20.0180

■ 107.5400,
-44.4780, 24.1460

■ 138.2840,
-29.4380, 15.8900

■ 92.7550, -52.2730,
27.7510

■ 153.6560,
-21.9180, 11.7620

■ 77.6820, -59.1970,
32.0910

■ 168.1420,
-14.7190, 7.9450

■ 62.3100, -66.7170,
36.2190

■ 183.5140, -7.1990,
3.8170

■ 46.9380, -74.2370,
40.3470

■ 198.8860, 0.3210,
-0.3110

■ 46.0520, -74.5580,
40.6580

■ 214.2580, 7.8410,
-4.4390

■ 229.0430, 15.6360,
-8.0440

■ 243.2190, 20.7720,
-13.0200

■ 248.5020, 18.2970,
-17.7270

Harmonies

Analogous

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



100.8710, -100.7750, -7.3590



122.9120, -36.9580, 20.0180



128.0550, 8.4760, 33.6280

Triad

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



122.9120, -36.9580, 20.0180



122.9410, 60.3820, 7.0220



95.5520, -73.3970, -40.9890

Complementary

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



122.9120, -36.9580, 20.0180



175.0880, 36.9580, -20.0180

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.



112.3080, -13.9320, -33.8680



122.9120, -36.9580, 20.0180



121.3500, 48.1440, -13.4880

Square

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



122.9120, -36.9580, 20.0180



123.6490, 59.0490, 25.6810



117.7440, 23.0670, -27.0850



100.6990, -86.5120, -29.0720

Rectangle

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



122.9120, -36.9580, 20.0180



127.1410, 31.7210, 36.3690



117.7440, 23.0670, -27.0850



101.5560, -52.8570, -38.7850

Sweetspot

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



122.9120, -36.9580, 20.0180



226.0280, -14.3980, 7.6340



166.3040, -51.6670, -27.3070



109.9700, -8.4830, 5.0610



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



122.9120, -36.9580, 20.0180



139.7100, -56.4000, 30.9600



119.5440, -14.7700, 36.4140



92.2000, -3.4390, 1.7530



37.9530, -61.3980, 33.4340



8.2130, -13.4810, 7.5350

Inverse Universe

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



131.5820, 51.9880, 26.9960



153.2700, 79.7700, 41.1300



178.4560, 14.7700, -36.4140



92.9190, 4.7220, 2.5300



52.4990, 86.5550, 44.8190



11.5620, 19.2090, 9.8090

Previews

White Background



This preview shows how the YIQ color 122.9120, -36.9580, 20.0180 looks on a white background.

Color Contrast Check

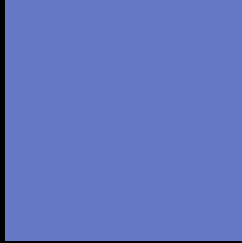
Large Text (above 18pt) WCAG AA ✓ Pass

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 122.9120, -36.9580, 20.0180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

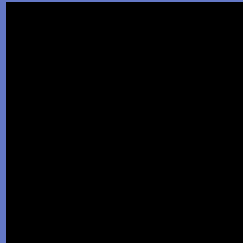
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 122.9120, -36.9580, 20.0180

Background



This preview shows how black text looks on a background with the YIQ color 122.9120, -36.9580, 20.0180.

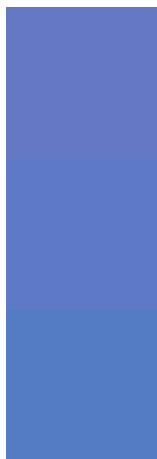


This preview shows how white text looks on a background with the YIQ color 122.9120, -36.9580,

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

122.9120, -36.9580, 20.0180

Protanopia

121.8190, -41.1300, 18.5340

Deuteranopia

120.0630, -47.8690, 14.0110



Tritanopia

118.4890, -32.4140, -7.2780

Trichromacy



Original Color

122.9120, -36.9580, 20.0180

Protanomaly

122.4170, -39.9380, 18.9580

Deuteranomaly

121.2700, -44.0180, 15.8060

Tritanomaly

120.2150, -34.1580, 2.3060

Monochromacy



Original Color

122.9120, -36.9580, 20.0180

Achromatopsia

123.0000, -0.0000, -0.0000

Achromatomaly

123.0990, -13.1600, 7.2240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 122.9120, -36.9580, 20.0180 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(100, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 198)  
}
```

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(100, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 198) }
```

Border

The CSS property to change the border of an element to YIQ 122.9120, -36.9580, 20.0180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

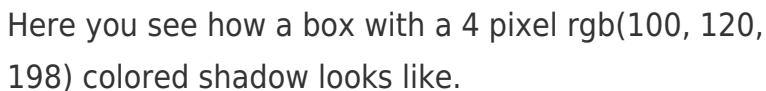
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 120, 198) }
```


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

```
.border{ border-color:rgb(100, 120, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 120, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 120, 198); box-shadow:4px 4px 4px 4px rgb(100, 120, 198) }
```

Background

The CSS property to change the background color of an element to YIQ 122.9120, -36.9580, 20.0180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 198) }
```

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

```
.background{ background-color: rgb(100,  
120, 198) }
```

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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