

Converting Colors

YIQ(121.0020, -37.8720, 3.5360)

Have a look what the booklet for
YIQ(121.0020, -37.8720, 3.5360)
contains.

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Color

**YIQ(121.0020, -37.8720,
3.5360)**

Conversions

Conversions Part 1

Format	Color
Hex	5781A9
RGB	87, 129, 169
RGB Percent	34%, 51%, 66%
CMY	0.6589, 0.4940, 0.3374
CMYK	0.49, 0.24, 0.00, 0.34
HSL	209°, 32%, 50%
HSV	209°, 49%, 66%
XYZ	18.9384, 20.5933, 40.4901
YIQ	121.0020, -37.8720, 3.5360

Conversions

Conversions Part 2

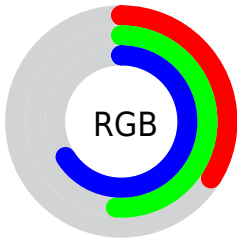
Format	Color
R _Y B	87, 115, 169
Decimal	5734825
CIE Lab	52.50, -3.23, -25.72
CIE LCh	53, 25.918, 262.845
Yxy	20.5933, 0.2367, 0.2573
Android (android.graphics.Color)	4283924905 (0xFF5781A9)
YUV	121.0020, 23.6630, -29.8198
Hunter-Lab	45.3799, -4.9214, -21.1355

Details

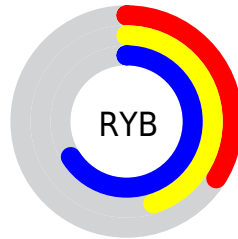
The YIQ color **121.0020, -37.8720, 3.5360** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **134.9980, 37.8720, -3.5360**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5290, -37.9180, 4.3700**, and **69.5670, -41.0810, 1.1190** is the 20% darker color. If you saturate the color by 10%, you get **111.2230, -45.8040, 4.1160**, and if you desaturate by 10%, it is **130.7810, -29.9400, 2.9560**.

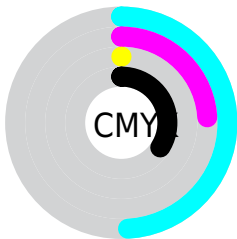
Distribution



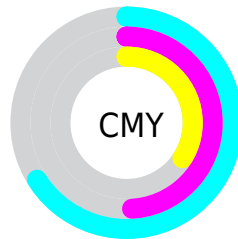
- Red (34%)
- Green (51%)
- Blue (66%)



- Red (34%)
- Yellow (45%)
- Blue (66%)



- Cyan (49%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 121.0020, -37.8720, 3.5360 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 121.0020, -37.8720, 3.5360 by changing the saturation by 10% instead.

■ 121.0020,
-37.8720, 3.5360

■ 121.0020,
-37.8720, 3.5360

■ 255.0000, -0.0000,
-0.0000

■ 95.1760, -38.4220,
2.4900

■ 174.5290,
-37.9180, 4.3700

■ 69.5670, -41.0810,
1.1190

■ 202.0560,
-37.9640, 5.2040

■ 43.9470, -45.2070,
-1.1990

■ 227.6790,
-29.8930, -3.4050

■ 28.8840, -31.7280,
2.3200

■ 246.3290,
-17.2840, -6.1480

■ 13.4620, -18.6160,
6.9840

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,

0.0000

■ 121.0020,
-37.8720, 3.5360

■ 121.0020,
-37.8720, 3.5360

■ 111.2230,
-45.8040, 4.1160

■ 130.7810,
-29.9400, 2.9560

■ 101.4440,
-53.7360, 4.6960

■ 140.5600,
-22.0080, 2.3760

■ 91.0780, -61.3930,
5.7990

■ 150.9260,
-14.3510, 1.2730

■ 81.2990, -69.3250,
6.3790

■ 160.7050, -6.4190,
0.6930

■ 71.8190, -76.6610,
7.1710

■ 170.1850, 0.9170,
-0.0990

■ 70.3350, -78.1740,
7.0580

■ 179.9640, 8.8490,
-0.6790

■ 190.3300, 16.5060,
-1.7820

■ 200.1090, 24.4380,
-2.3620

■ 209.8880, 32.3700,
-2.9420

Harmonies

Analogous

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



113.9410, -54.2380, -8.2380



121.0020, -37.8720, 3.5360



126.1300, -14.4450, 13.9950

Triad

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



121.0020, -37.8720, 3.5360



126.9400, 35.7600, 12.7200



118.8330, -10.4960, -19.0400

Complementary

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



121.0020, -37.8720, 3.5360



134.9980, 37.8720, -3.5360

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.



122.0760, 10.8690, -15.2670



121.0020, -37.8720, 3.5360



126.3170, 35.7160, 2.5000

Square

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



121.0020, -37.8720, 3.5360



128.3660, 25.9930, 19.0250



124.2030, 26.8690, -7.8750



115.2140, -33.5580, -19.5900

Rectangle

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



121.0020, -37.8720, 3.5360



127.9640, 0.8220, 18.1500



124.2030, 26.8690, -7.8750



120.2530, -2.9310, -18.4750

Sweetspot

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



121.0020, -37.8720, 3.5360



199.7410, -15.2680, 1.3720



139.6940, -35.3900, -30.4460



98.1500, -9.1700, 0.9900



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



121.0020, -37.8720, 3.5360



144.6330, -58.6420, 5.5020



96.9350, -26.5970, 24.9790



79.2600, -3.6680, 0.3960



61.4840, -68.4080, 6.2800



8.1500, -9.1700, 0.9900

Inverse Universe

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



116.3060, 35.3900, 30.4460



137.3830, 54.8270, 47.1390



159.0650, 26.5970, -24.9790



78.8480, 3.4840, 2.9400



52.9160, 63.8120, 55.0120



7.1200, 8.7100, 7.3500

Previews

White Background



This preview shows how the YIQ color 121.0020, -37.8720, 3.5360 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 121.0020, -37.8720, 3.5360 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

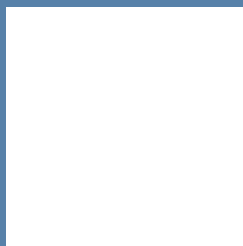
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 121.0020, -37.8720, 3.5360

Background



This preview shows how black text looks on a background with the YIQ color 121.0020, -37.8720, 3.5360.



This preview shows how white text looks on a background with the YIQ color 121.0020, -37.8720,

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

121.0020, -37.8720, 3.5360

Protanopia

124.7980, -19.4420, 10.9420

Deuteranopia

124.7700, -22.2390, 12.0730



Tritanopia

118.6950, -35.9900, -8.5500

Trichromacy



Original Color

121.0020, -37.8720, 3.5360

Protanomaly

123.3950, -25.6770, 8.2990

Deuteranomaly

123.2530, -28.1530, 9.1190

Tritanomaly

119.4440, -36.5410, -4.0690

Monochromacy



Original Color

121.0020, -37.8720, 3.5360

Achromatopsia

121.0000, -0.0000, 0.0000

Achromatomaly

121.1110, -13.4340, 1.1740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 121.0020, -37.8720, 3.5360 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(87, 129, 169)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 169)  
}
```

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(87, 129, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 169) }
```

Border

The CSS property to change the border of an element to YIQ 121.0020, -37.8720, 3.5360 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(87, 129, 169) }
```


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

```
.border{ border-color:rgb(87, 129, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 129, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 169);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
169) }
```

Background

The CSS property to change the background color of an element to YIQ 121.0020, -37.8720, 3.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 129, 169) }
```

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

```
.background{ background-color: rgb(87, 129,  
169) }
```

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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