

Converting Colors

YIQ(117.7820, -22.5130, 6.0230)

Have a look what the booklet for
YIQ(117.7820, -22.5130, 6.0230)
contains.

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Color

**YIQ(117.7820, -22.5130,
6.0230)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 647899 |
| RGB | 100, 120, 153 |
| RGB Percent | 39%, 47%, 60% |
| CMY | 0.6079, 0.5294, 0.4001 |
| CMYK | 0.35, 0.22, 0.00, 0.40 |
| HSL | 217°, 21%, 50% |
| HSV | 217°, 35%, 60% |
| XYZ | 17.7196, 18.4429, 32.7502 |
| YIQ | 117.7820, -22.5130, 6.0230 |

Conversions

Conversions Part 2

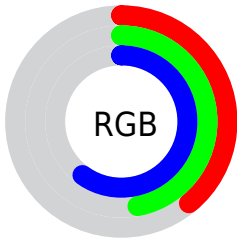
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 115, 153 |
| Decimal | 6584473 |
| CIE _{Lab} | 50.03, 1.03, -20.16 |
| CIE _{LCh} | 50, 20.186, 272.913 |
| Yxy | 18.4429, 0.2571, 0.2676 |
| Android (android.graphics.Color) | 4284774553 (0xFF647899) |
| YUV | 117.7820, 17.3625, -15.5948 |
| Hunter-Lab | 42.9451, -1.5031, -15.1533 |

Details

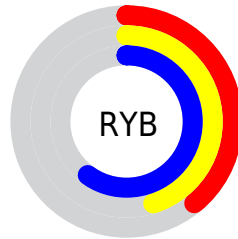
The YIQ color **117.7820, -22.5130, 6.0230** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **135.2180, 22.5130, -6.0230**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.0100, -23.1550, 6.6450**, and **69.1410, -22.1460, 4.8780** is the 20% darker color. If you saturate the color by 10%, you get **107.4270, -28.7030, 8.0730**, and if you desaturate by 10%, it is **128.1370, -16.3230, 3.9730**.

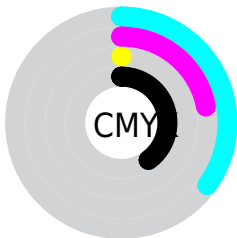
Distribution



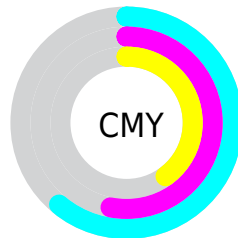
- Red (39%)
- Green (47%)
- Blue (60%)



- Red (39%)
- Yellow (45%)
- Blue (60%)



- Cyan (35%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7820, -22.5130, 6.0230 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 117.7820, -22.5130, 6.0230 by changing the saturation by 10% instead.

■ 117.7820,
-22.5130, 6.0230

■ 117.7820,
-22.5130, 6.0230

■ 255.0000, -0.0000,
-0.0000

■ 92.6680, -22.1920,
5.7120

■ 170.0100,
-23.1550, 6.6450

■ 69.1410, -22.1460,
4.8780

■ 197.2380,
-23.7970, 7.2670

■ 45.4290, -23.0170,
4.1430

■ 224.2120,
-20.9080, 4.4680

■ 23.2930, -25.6300,
1.9380

■ 249.3190,
-11.3240, -4.0280

■ 4.4630, -11.1890,
10.0510

■ 0.7980, -2.2470,
2.1770

■ 0.0000, 0.0000,

0.0000

■ 117.7820,
-22.5130, 6.0230

■ 117.7820,
-22.5130, 6.0230

■ 107.4270,
-28.7030, 8.0730

■ 128.1370,
-16.3230, 3.9730

■ 97.3600, -35.7640,
9.3880

■ 138.2040, -9.2620,
2.6580

■ 87.0050, -41.9540,
11.4380

■ 148.5590, -3.0720,
0.6080

■ 77.2370, -48.4190,
12.9650

■ 158.3270, 3.3930,
-0.9190

■ 66.8820, -54.6090,
15.0150

■ 168.6820, 9.5830,
-2.9690

■ 56.8150, -61.6700,
16.3300

■ 178.7490, 16.6440,
-4.2840

■ 51.4880, -65.0630,
17.2490

■ 189.1040, 22.8340,
-6.3340

■ 198.8720, 29.2990,
-7.8610

■ 209.5260, 36.0850,
-9.6990

Harmonies

Analogous

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



113.6830, -35.7160, -2.5000



117.7820, -22.5130, 6.0230



120.8660, -4.9540, 12.6940

Triad

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



117.7820, -22.5130, 6.0230



120.6570, 29.0670, 7.3630



113.5000, -13.7520, -15.0960

Complementary

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



117.7820, -22.5130, 6.0230



135.2180, 22.5130, -6.0230

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.



116.2370, 3.1660, -13.3300



117.7820, -22.5130, 6.0230



119.8320, 26.7760, -0.6800

Square

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



117.7820, -22.5130, 6.0230



121.4210, 24.1600, 13.6960



117.8260, 17.7450, -7.7190



111.5290, -29.8910, -14.4590

Rectangle

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



117.7820, -22.5130, 6.0230



121.4930, 6.4620, 15.0540



117.8260, 17.7450, -7.7190



114.4360, -7.7000, -14.6440

Sweetspot

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



117.7820, -22.5130, 6.0230



185.9760, -8.6200, 2.0360



134.8730, -25.1680, -17.4560



91.6020, -4.6310, 1.3290



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



117.7820, -22.5130, 6.0230



143.3600, -35.7640, 9.3880



107.8360, -13.4370, 17.7550



71.6730, -3.3930, 0.9190



47.0710, -59.5150, 15.8210



4.4170, -5.5480, 1.4280

Inverse Universe

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



118.1270, 25.1680, 17.4560



143.7640, 39.7920, 27.7600



145.1640, 13.4370, -17.7550



71.7340, 3.8050, 2.6290



47.9020, 66.4270, 46.1630



4.4570, 6.1430, 4.3110

Previews

White Background



This preview shows how the YIQ color 117.7820, -22.5130, 6.0230 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 117.7820, -22.5130, 6.0230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

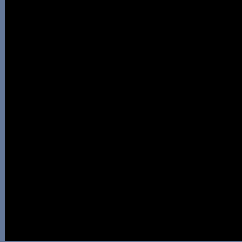
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

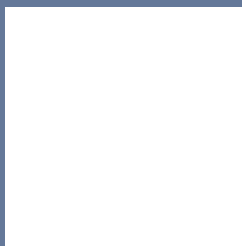
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 117.7820, -22.5130, 6.0230

Background



This preview shows how black text looks on a background with the YIQ color 117.7820, -22.5130, 6.0230.

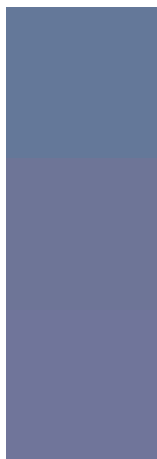


This preview shows how white text looks on a background with the YIQ color 117.7820, -22.5130,

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

117.7820, -22.5130, 6.0230

Protanopia

118.7830, -15.0860, 9.0900

Deuteranopia

119.7230, -14.8570, 10.4470



Tritanopia

116.3550, -20.1730, -3.3490

Trichromacy



Original Color

117.7820, -22.5130, 6.0230

Protanomaly

118.2880, -18.0660, 8.0300

Deuteranomaly

119.1140, -17.5160, 9.0760

Tritanomaly

117.1640, -20.9530, -0.2250

Monochromacy



Original Color

117.7820, -22.5130, 6.0230

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9760, -8.6200, 2.0360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7820, -22.5130, 6.0230 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 153) }
```

Border

The CSS property to change the border of an element to YIQ 117.7820, -22.5130, 6.0230 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, 153) }
```


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

```
.border{ border-color:rgb(100, 120, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 153);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
153) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7820, -22.5130, 6.0230 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, 153) }
```

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

```
.background{ background-color: rgb(100,  
120, 153) }
```

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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