

Converting Colors

YIQ(82.5850, -23.1560, 12.1720)

Have a look what the booklet for
YIQ(82.5850, -23.1560, 12.1720)
contains.

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Color

**YIQ(82.5850, -23.1560,
12.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	445181
RGB	68, 81, 129
RGB Percent	27%, 32%, 51%
CMY	0.7333, 0.6823, 0.4942
CMYK	0.47, 0.37, 0.00, 0.49
HSL	227°, 31%, 39%
HSV	227°, 47%, 51%
XYZ	9.2870, 8.6987, 21.9470
YIQ	82.5850, -23.1560, 12.1720

Conversions

Conversions Part 2

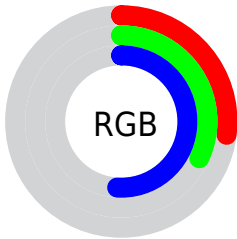
Format	Color
RYB	68, 79, 129
Decimal	4477313
CIELab	35.40, 8.75, -28.65
CIElCh	35, 29.955, 286.988
Yxy	8.6987, 0.2326, 0.2178
Android (android.graphics.Color)	4282667393 (0xFF445181)
YUV	82.5850, 22.8826, -12.7910
Hunter-Lab	29.4936, 4.5925, -23.4737

Details

The YIQ color **82.5850, -23.1560, 12.1720** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **114.4150, 23.1560, -12.1720**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **132.6390, -23.2480, 13.8400**, and **35.2100, -26.5940, 8.3980** is the 20% darker color. If you saturate the color by 10%, you get **72.8280, -28.1540, 14.6460**, and if you desaturate by 10%, it is **92.3420, -18.1580, 9.6980**.

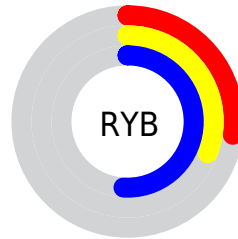
Distribution



Red (27%)

Green (32%)

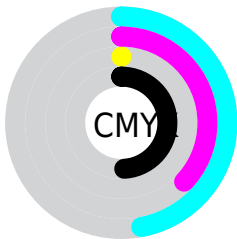
Blue (51%)



Red (27%)

Yellow (31%)

Blue (51%)

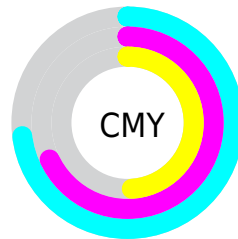


Cyan (47%)

Magenta (37%)

Yellow (0%)

Black (49%)



Cyan (73%)

Magenta (68%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 82.5850, -23.1560, 12.1720 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 82.5850, -23.1560, 12.1720 by changing the saturation by 10% instead.

■ 82.5850, -23.1560,
12.1720

■ 82.5850, -23.1560,
12.1720

■ 255.0000, -0.0000,
-0.0000

■ 58.7590, -23.7060,
11.1260

■ 132.6390,
-23.2480, 13.8400

■ 35.2100, -26.5940,
8.3980

■ 159.1660,
-23.2940, 14.6740

■ 15.7760, -22.3760,
9.0480

■ 186.2800,
-23.6150, 14.9850

■ 5.0500, -11.4640,
9.5280

■ 212.4390,
-19.8090, 12.0870

■ 0.9120, -2.5680,
2.4880

■ 238.1330,
-10.5000, 3.0680

■ 0.0000, 0.0000,
0.0000

■ 82.5850, -23.1560,
12.1720

■ 82.5850, -23.1560,
12.1720

■ 72.8280, -28.1540,
14.6460

■ 92.3420, -18.1580,
9.6980

■ 63.0710, -33.1520,
17.1200

■ 102.0990,
-13.1600, 7.2240

■ 53.3140, -38.1500,
19.5940

■ 111.8560, -8.1620,
4.7500

■ 42.9700, -42.8730,
22.5910

■ 122.2000, -3.4390,
1.7530

■ 33.5120, -47.2750,
25.2770

■ 131.6580, 0.9630,
-0.9330

■ 31.1420, -49.1090,
25.4750

■ 141.4150, 5.9610,
-3.4070

■ 151.1720, 10.9590,
-5.8810

■ 160.9290, 15.9570,

-8.3550

■ 170.6860, 20.9550,
-10.8290

Harmonies

Analogous

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



67.0630, -66.2050, -6.1170



82.5850, -23.1560, 12.1720



85.9860, 3.7560, 20.0440

Triad

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



82.5850, -23.1560, 12.1720



83.1540, 37.7330, 4.4930



68.1590, -40.8930, -24.3250

Complementary

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



82.5850, -23.1560, 12.1720



114.4150, 23.1560, -12.1720

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.



76.6330, -7.0570, -20.7930



82.5850, -23.1560, 12.1720



81.5840, 30.1700, -7.1260

Square

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



82.5850, -23.1560, 12.1720



83.9340, 35.8970, 15.7450



79.7020, 14.8580, -15.9740



66.7090, -56.9410, -19.8290

Rectangle

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



82.5850, -23.1560, 12.1720



85.3530, 18.8400, 22.0080



79.7020, 14.8580, -15.9740



72.3410, -26.7260, -22.2620

Sweetspot

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



82.5850, -23.1560, 12.1720



150.5570, -8.7580, 4.5380



109.2790, -32.1830, -16.9750



73.3570, -5.3190, 2.7850



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



82.5850, -23.1560, 12.1720



95.2710, -36.5910, 18.8730



80.0370, -9.4490, 22.5750



58.9720, -2.7970, 1.1310



30.4410, -48.5130, 25.6870



0.0000, 0.0000, 0.0000

Inverse Universe

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



87.7210, 32.1830, 16.9750



103.0980, 50.4750, 26.8830



116.9630, 9.4490, -22.5750



59.3210, 3.5300, 2.1060



41.3500, 67.6210, 35.5330



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 82.5850, -23.1560, 12.1720 looks on a white 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 ✓ Pass

Black Background



This preview shows how the YIQ color 82.5850, -23.1560, 12.1720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

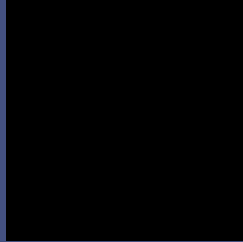
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 82.5850, -23.1560, 12.1720

Background



This preview shows how black text looks on a background with the YIQ color 82.5850, -23.1560, 12.1720.

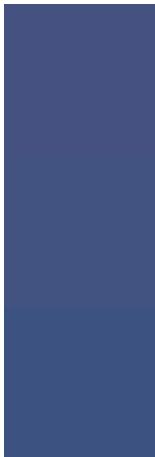


This preview shows how white text looks on a background with the YIQ color 82.5850, -23.1560,

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

82.5850, -23.1560, 12.1720

Protanopia

82.5740, -24.6230, 11.2250

Deuteranopia

81.3670, -28.4740, 9.4300



Tritanopia

79.8280, -20.1270, -4.1830

Trichromacy



Original Color

82.5850, -23.1560, 12.1720

Protanomaly

82.8730, -24.0270, 11.4370

Deuteranomaly

81.6770, -26.4110, 10.5890

Tritanomaly

80.6310, -20.7700, 1.9660

Monochromacy



Original Color

82.5850, -23.1560, 12.1720

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.8560, -8.1620, 4.7500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.5850, -23.1560, 12.1720 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(68, 81, 129)` looks like.

```
.text, #text, p{  
    color:rgb(68, 81, 129)  
}
```

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(68, 81, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 81, 129) }
```

Border

The CSS property to change the border of an element to YIQ 82.5850, -23.1560, 12.1720 is called "border". The border property can be set on classes, ids or directly on the HTML element.

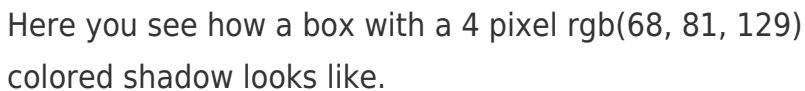
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 81, 129) }
```


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

```
.border{ border-color:rgb(68, 81, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 81, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 81, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 81, 129);  
box-shadow:4px 4px 4px 4px rgb(68, 81,  
129) }
```

Background

The CSS property to change the background color of an element to YIQ 82.5850, -23.1560, 12.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 81, 129) }
```

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

```
.background{ background-color: rgb(68, 81,  
129) }
```

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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