

Converting Colors

YIQ(59.6820, -42.0020, 23.3260)

Have a look what the booklet for
YIQ(59.6820, -42.0020, 23.3260)
contains.

YIQ(59.6820, -42.0020, 23.3260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(59.6820, -42.0020,
23.3260)**

Conversions

Conversions Part 1

Format	Color
Hex	223892
RGB	34, 56, 146
RGB Percent	13%, 22%, 57%
CMY	0.8666, 0.7804, 0.4277
CMYK	0.77, 0.62, 0.00, 0.43
HSL	228°, 62%, 35%
HSV	228°, 77%, 57%
XYZ	7.2580, 5.2428, 27.7990
YIQ	59.6820, -42.0020, 23.3260

Conversions

Conversions Part 2

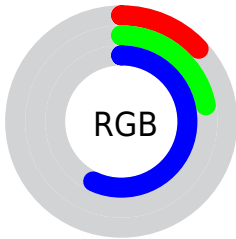
Format	Color
R_{YB}	34, 52, 146
Decimal	2242706
CIE _{Lab}	27.42, 24.99, -52.02
CIE _{LCh}	27, 57.715, 295.658
Yxy	5.2428, 0.1801, 0.1301
Android (android.graphics.Color)	4280432786 (0xFF223892)
YUV	59.6820, 42.5548, -22.5231
Hunter-Lab	22.8972, 16.5110, -55.9547

Details

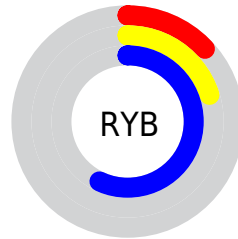
The YIQ color **59.6820, -42.0020, 23.3260** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **120.3180, 42.0020, -23.3260**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **112.0790, -35.6300, 28.9940**, and **20.1080, -34.5740, 20.8660** is the 20% darker color. If you saturate the color by 10%, you get **48.1530, -47.6420, 26.4220**, and if you desaturate by 10%, it is **71.2110, -36.3620, 20.2300**.

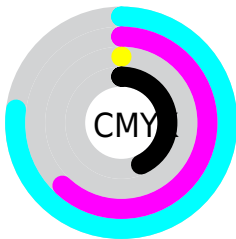
Distribution



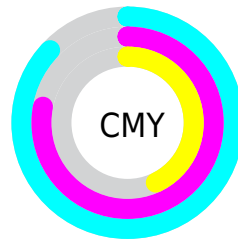
- Red (13%)
- Green (22%)
- Blue (57%)



- Red (13%)
- Yellow (20%)
- Blue (57%)



- Cyan (77%)
- Magenta (62%)
- Yellow (0%)
- Black (43%)



- Cyan (87%)
- Magenta (78%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 59.6820, -42.0020, 23.3260 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 59.6820, -42.0020, 23.3260 by changing the saturation by 10% instead.

■ 59.6820, -42.0020,
23.3260

■ 59.6820, -42.0020,
23.3260

■ 255.0000, -0.0000,
-0.0000

■ 34.2250, -48.1450,
19.0150

■ 112.0790,
-35.6300, 28.9940

■ 20.1080, -34.5740,
20.8660

■ 138.6170,
-34.2090, 30.7750

■ 7.9800, -22.4700,
21.7700

■ 165.2150,
-33.0170, 31.1990

■ 7.7060, -16.1870,
12.5250

■ 189.1480,
-22.8830, 23.7490

■ 3.4370, -8.3000,
7.2520

■ 214.2550,
-13.2990, 15.2530

■ 0.0000, 0.0000,
0.0000

■ 239.6610, -3.1190,

6.9690

■ 59.6820, -42.0020,
23.3260

■ 59.6820, -42.0020,
23.3260

■ 48.1530, -47.6420,
26.4220

■ 71.2110, -36.3620,
20.2300

■ 37.5100, -52.9610,
29.2070

■ 81.8540, -31.0430,
17.4450

■ 33.6670, -54.8410,
30.2390

■ 93.3830, -25.4030,
14.3490

■ 104.6130,
-20.3590, 11.0410

■ 116.1420,
-14.7190, 7.9450

■ 127.0840, -8.8040,
5.3720

■ 138.3140, -3.7600,
2.0640

■ 149.8430, 1.8800,
-1.0320

■ 161.0730, 6.9240,
-4.3400

Harmonies

Analogous

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



60.5210, -69.8300, 10.0260



59.6820, -42.0020, 23.3260



60.4900, 20.8530, 46.1090

Triad

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



59.6820, -42.0020, 23.3260



58.1750, 59.6030, 4.6190



54.6320, -40.8470, -25.1590

Complementary

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



59.6820, -42.0020, 23.3260



120.3180, 42.0020, -23.3260

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.



46.8290, -23.0090, -40.0730



59.6820, -42.0020, 23.3260



61.5210, 34.4810, -13.6710

Square

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



59.6820, -42.0020, 23.3260



44.0840, 71.4260, 38.1620



55.7080, 5.5530, -29.0630



60.3490, -55.5670, -11.6870

Rectangle

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



59.6820, -42.0020, 23.3260



49.2010, 49.8280, 55.1400



55.7080, 5.5530, -29.0630



52.2210, -35.4360, -29.6120

Sweetspot

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



59.6820, -42.0020, 23.3260



155.2990, -16.5990, 8.9770



110.0040, -59.6900, -30.5860



73.8990, -9.7210, 5.4710



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



59.6820, -42.0020, 23.3260



54.7940, -65.2040, 36.3320



56.9340, -15.6880, 42.0400



68.3850, -2.5220, 1.6540



31.5810, -51.7230, 28.7970



2.3140, -3.7600, 2.0640

Inverse Universe

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



69.9960, 59.6900, 30.5860



70.9020, 92.7900, 47.4620



123.0660, 15.6880, -42.0400



69.2070, 3.8510, 1.7950



44.3400, 73.5810, 37.6530



3.2180, 5.3180, 2.7420

Previews

White Background



This preview shows how the YIQ color 59.6820, -42.0020, 23.3260 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 59.6820, -42.0020, 23.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

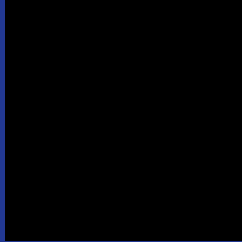
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 59.6820, -42.0020, 23.3260

Background



This preview shows how black text looks on a background with the YIQ color 59.6820, -42.0020, 23.3260.



This preview shows how white text looks on a background with the YIQ color 59.6820, -42.0020,

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

59.6820, -42.0020, 23.3260

Protanopia

51.4420, -59.4220, 8.6260

Deuteranopia

51.6240, -54.4230, 0.6250



Tritanopia

51.0420, -44.5170, -13.7090

Trichromacy



Original Color

59.6820, -42.0020, 23.3260

Protanomaly

54.4260, -53.3250, 13.7710

Deuteranomaly

54.2320, -50.0230, 8.9930

Tritanomaly

53.9580, -43.7400, -0.2520

Monochromacy



Original Color

59.6820, -42.0020, 23.3260

Achromatopsia

60.0000, -0.0000, -0.0000

Achromatomaly

60.2560, -15.0400, 8.2560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 59.6820, -42.0020, 23.3260 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(34, 56, 146)` looks like.

```
.text, #text, p{  
    color:rgb(34, 56, 146)  
}
```

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(34, 56, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 56, 146) }
```

Border

The CSS property to change the border of an element to YIQ 59.6820, -42.0020, 23.3260 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(34, 56, 146) }
```


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

```
.border{ border-color:rgb(34, 56, 146) }
```

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

Here you see how a box with a 4 pixel rgb(34, 56, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 56, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 56, 146);  
box-shadow:4px 4px 4px 4px rgb(34, 56,  
146) }
```

Background

The CSS property to change the background color of an element to YIQ 59.6820, -42.0020, 23.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 56, 146) }
```

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

```
.background{ background-color: rgb(34, 56,  
146) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor