

Converting Colors

YIQ(58.6390, -23.2480, 13.8400)

Have a look what the booklet for
YIQ(58.6390, -23.2480, 13.8400)
contains.

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Color

**YIQ(58.6390, -23.2480,
13.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	2D386C
RGB	45, 56, 108
RGB Percent	18%, 22%, 42%
CMY	0.8235, 0.7804, 0.5766
CMYK	0.58, 0.48, 0.00, 0.58
HSL	230°, 41%, 30%
HSV	230°, 58%, 42%
XYZ	5.2016, 4.4687, 14.7663
YIQ	58.6390, -23.2480, 13.8400

Conversions

Conversions Part 2

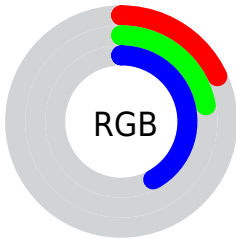
Format	Color
R_{YB}	45, 54, 108
Decimal	2963564
CIE _{Lab}	25.16, 12.40, -31.78
CIE _{LCh}	25, 34.115, 291.315
Yxy	4.4687, 0.2129, 0.1829
Android (android.graphics.Color)	4281153644 (0xFF2D386C)
YUV	58.6390, 24.3350, -11.9614
Hunter-Lab	21.1394, 6.9286, -26.6179

Details

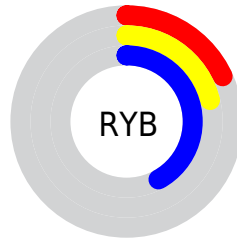
The YIQ color **58.6390, -23.2480, 13.8400** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **94.3610, 23.2480, -13.8400**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **107.4050, -22.4690, 16.2430**, and **15.0580, -23.1100, 11.3380** is the 20% darker color. If you saturate the color by 10%, you get **50.0670, -27.3290, 16.2150**, and if you desaturate by 10%, it is **67.2110, -19.1670, 11.4650**.

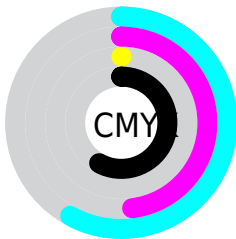
Distribution



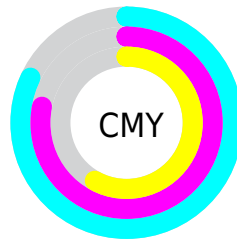
- Red (18%)
- Green (22%)
- Blue (42%)



- Red (18%)
- Yellow (21%)
- Blue (42%)



- Cyan (58%)
- Magenta (48%)
- Yellow (0%)
- Black (58%)



- Cyan (82%)
- Magenta (78%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.6390, -23.2480, 13.8400 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 58.6390, -23.2480, 13.8400 by changing the saturation by 10% instead.

■ 58.6390, -23.2480,
13.8400

■ 58.6390, -23.2480,
13.8400

■ 255.0000, -0.0000,
-0.0000

■ 35.0900, -26.1360,
11.1120

■ 107.4050,
-22.4690, 16.2430

■ 15.0580, -23.1100,
11.3380

■ 132.9320,
-22.5150, 17.0770

■ 5.5060, -12.7480,
10.7720

■ 159.4590,
-22.5610, 17.9110

■ 2.2970, -5.0900,
4.1420

■ 186.2850,
-22.0110, 18.9570

■ 0.0000, 0.0000,
0.0000

■ 212.4610,
-16.8750, 13.9810

■ 237.2690, -7.8870,

5.2730

■ 58.6390, -23.2480,
13.8400

■ 58.6390, -23.2480,
13.8400

■ 50.0670, -27.3290,
16.2150

■ 67.2110, -19.1670,
11.4650

■ 41.4950, -31.4100,
18.5900

■ 75.7830, -15.0860,
9.0900

■ 33.2220, -34.8950,
21.1770

■ 84.0560, -11.6010,
6.5030

■ 24.6500, -38.9760,
23.5520

■ 92.6280, -7.5200,
4.1280

■ 23.4650, -39.8930,
23.6510

■ 101.2000, -3.4390,
1.7530

■ 109.1850, 0.9170,
-0.0990

■ 117.7570, 4.9980,
-2.4740

■ 126.0300, 8.4830,
-5.0610

■ 134.6020, 12.5640,
-7.4360

Harmonies

Analogous

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



50.8090, -53.5060, 0.5260



58.6390, -23.2480, 13.8400



61.1330, 7.8360, 23.1960

Triad

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



58.6390, -23.2480, 13.8400



57.6980, 39.0170, 3.2490



47.4910, -35.8960, -21.2720

Complementary

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



58.6390, -23.2480, 13.8400



94.3610, 23.2480, -13.8400

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.



49.6320, -14.4840, -23.8600



58.6390, -23.2480, 13.8400



56.7210, 31.0420, -11.9180

Square

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



58.6390, -23.2480, 13.8400



57.7280, 39.4730, 17.0170



54.4690, 13.8960, -20.5680



51.1560, -44.8380, -13.3980

Rectangle

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



58.6390, -23.2480, 13.8400



60.3860, 23.2410, 24.8490



54.4690, 13.8960, -20.5680



46.4650, -33.0070, -24.0710

Sweetspot

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



58.6390, -23.2480, 13.8400



121.6710, -9.0790, 4.8490



87.7950, -33.6960, -17.0880



60.3570, -5.3190, 2.7850



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



58.6390, -23.2480, 13.8400



63.1510, -36.1330, 21.5870



58.1620, -8.3030, 23.8330



49.2710, -2.2010, 1.3430



25.0780, -43.0570, 25.9270



53.1710, -90.4700, 53.7060

Inverse Universe

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



65.0910, 34.0170, 16.7770



73.2400, 52.9510, 26.0630



94.8380, 8.3030, -23.8330



49.9080, 3.2550, 1.5830



37.2630, 63.3120, 31.0240



78.1570, 132.2170, 65.3130

Previews

White Background



This preview shows how the YIQ color 58.6390, -23.2480, 13.8400 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 58.6390, -23.2480, 13.8400 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 58.6390, -23.2480, 13.8400

Background



This preview shows how black text looks on a background with the YIQ color 58.6390, -23.2480, 13.8400.



This preview shows how white text looks on a background with the YIQ color 58.6390, -23.2480,

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

58.6390, -23.2480, 13.8400

Protanopia

56.4530, -31.5920, 10.8720

Deuteranopia

51.8920, -43.3740, 4.1300



Tritanopia

54.8060, -23.0610, -6.0770

Trichromacy



Original Color

58.6390, -23.2480, 13.8400

Protanomaly

56.9480, -28.6120, 11.9320

Deuteranomaly

54.3060, -35.6720, 7.7200

Tritanomaly

56.4350, -23.1540, 1.1180

Monochromacy



Original Color

58.6390, -23.2480, 13.8400

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

58.9700, -8.4830, 5.0610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.6390, -23.2480, 13.8400 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(45, 56, 108)` looks like.

```
.text, #text, p{  
    color:rgb(45, 56, 108)  
}
```

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(45, 56, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 56, 108) }
```

Border

The CSS property to change the border of an element to YIQ 58.6390, -23.2480, 13.8400 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(45, 56, 108) }
```


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

```
.border{ border-color:rgb(45, 56, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 56, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 56, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 56, 108);  
box-shadow:4px 4px 4px 4px rgb(45, 56,  
108) }
```

Background

The CSS property to change the background color of an element to YIQ 58.6390, -23.2480, 13.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 56, 108) }
```

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

```
.background{ background-color: rgb(45, 56,  
108) }
```

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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