

Converting Colors

YIQ(24.4000, 2.2900, 13.5700)

Have a look what the booklet for
YIQ(24.4000, 2.2900, 13.5700)
contains.

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Color

**YIQ(24.4000, 2.2900,
13.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	230F2D
RGB	35, 15, 45
RGB Percent	14%, 6%, 18%
CMY	0.8627, 0.9412, 0.8235
CMYK	0.22, 0.67, 0.00, 0.82
HSL	280°, 50%, 12%
HSV	280°, 67%, 18%
XYZ	1.3380, 0.8885, 2.5832
YIQ	24.4000, 2.2900, 13.5700

Conversions

Conversions Part 2

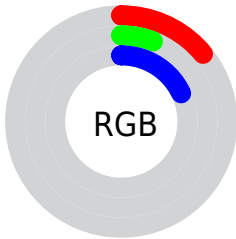
Format	Color
R_{YB}	35, 15, 45
Decimal	2297645
CIE Lab	8.03, 17.17, -16.05
CIE LCh	8, 23.501, 316.940
Yxy	0.8885, 0.2782, 0.1847
Android (android.graphics.Color)	4280487725 (0xFF230F2D)
YUV	24.4000, 10.1558, 9.2962
Hunter-Lab	9.4259, 8.8429, -9.6508




Details

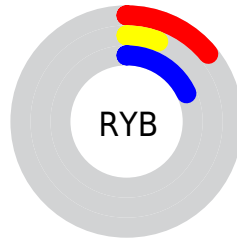
The YIQ color **24.4000, 2.2900, 13.5700** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **35.6000, -2.2900, -13.5700**, and the grayscale version is **24.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **68.6390, 3.1150, 15.1390**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.1660, 3.0690, 15.9730**, and if you desaturate by 10%, it is **27.3460, 2.3820, 11.9020**.

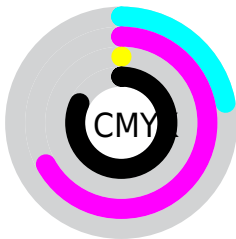
Distribution







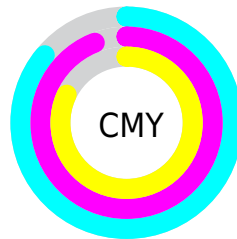
-  Red (14%)
-  Green (6%)
-  Blue (18%)






-  Red (14%)
-  Yellow (6%)
-  Blue (18%)



-  Cyan (22%)
-  Magenta (67%)
-  Yellow (0%)
-  Black (82%)



-  Cyan (86%)
-  Magenta (94%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.4000, 2.2900, 13.5700 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 24.4000, 2.2900, 13.5700 by changing the saturation by 10% instead.

■ 24.4000, 2.2900,
13.5700

■ 24.4000, 2.2900,
13.5700

■ 245.6080, 4.4000,
8.3680

■ 5.2420, -3.2570,
9.4710

■ 68.6390, 3.1150,
15.1390

■ 0.0000, 0.0000,
0.0000

■ 92.1660, 3.0690,
15.9730

■ 116.5790, 3.3440,
16.4960

■ 142.4050, 3.8940,
17.5420

■ 168.8180, 4.1690,
18.0650

■ 196.2310, 4.4440,

18.5880

■ 224.2310, 4.4440,
18.5880

■ 24.4000, 2.2900,
13.5700

■ 24.4000, 2.2900,
13.5700

■ 21.1660, 3.0690,
15.9730

■ 27.3460, 2.3820,
11.9020

■ 18.2200, 2.9770,
17.6410

■ 30.5800, 1.6030,
9.4990

■ 14.9860, 3.7560,
20.0440

■ 33.5260, 1.6950,
7.8310

■ 14.1000, 3.4350,
20.3550

■ 36.7600, 0.9160,
5.4280

■ 39.7060, 1.0080,
3.7600

■ 42.9400, 0.2290,
1.3570

■ 45.5870, -0.2750,
-0.5230

■ 49.1200, -0.4580,
-2.7140

■ 51.7670, -0.9620,
-4.5940

Harmonies

Analogous

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



20.8640, -19.8080, 6.5600



24.4000, 2.2900, 13.5700



22.5820, 16.4570, 15.6330

Triad

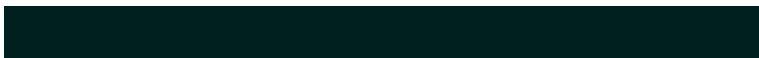
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.4000, 2.2900, 13.5700



22.8030, 16.5520, -2.6160



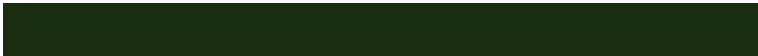
22.4320, -19.0720, -6.7840

Complementary

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



24.4000, 2.2900, 13.5700



35.6000, -2.2900, -13.5700

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.



20.4940, -13.6150, -12.0710



24.4000, 2.2900, 13.5700



21.8400, 5.9620, -8.9340

Square

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



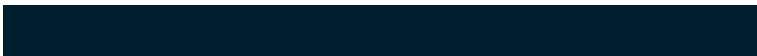
24.4000, 2.2900, 13.5700



21.6840, 24.4370, 3.1650



17.0230, -7.9750, -15.1670



23.4410, -23.2910, -1.9070

Rectangle

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



24.4000, 2.2900, 13.5700



21.0510, 22.3260, 13.8940



17.0230, -7.9750, -15.1670



21.8620, -17.4670, -8.3390

Sweetspot

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



24.4000, 2.2900, 13.5700



50.7600, 0.9160, 5.4280



24.2900, -12.3800, 4.1000



25.4070, 0.4120, 3.5480



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



24.4000, 2.2900, 13.5700



26.6270, 3.3890, 21.1890



26.8200, 9.8550, 14.1350



21.5270, -0.0460, 0.8340



27.2600, 6.6410, 39.3530



67.1530, 16.5340, 96.8700

Inverse Universe

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



25.1100, 14.6700, 9.4700



27.7630, 23.1970, 14.6290



33.1800, -9.8550, -14.1350



21.5980, 1.1920, 0.4240



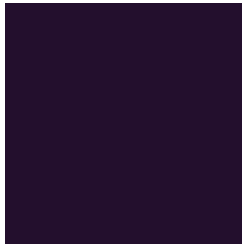
29.3190, 42.5430, 27.4630



72.0800, 104.7530, 67.4490

Previews

White Background



This preview shows how the YIQ color 24.4000, 2.2900, 13.5700 looks on a white background.

Color Contrast Check

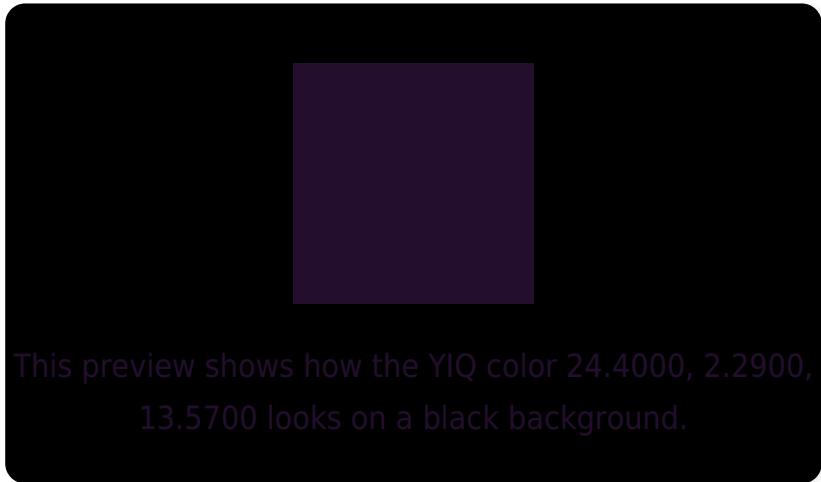
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 24.4000, 2.2900, 13.5700

Background



This preview shows how black text looks on a background with the YIQ color 24.4000, 2.2900, 13.5700.



This preview shows how white text looks on a background with the YIQ color 24.4000, 2.2900,

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

24.4000, 2.2900, 13.5700

Protanopia

19.7880, -22.6500, 2.9980

Deuteranopia

21.9690, -15.9100, 1.9940



Tritanopia

25.1040, 5.6390, 2.4310

Trichromacy



Original Color

24.4000, 2.2900, 13.5700

Protanomaly

21.6860, -13.4350, 6.7010

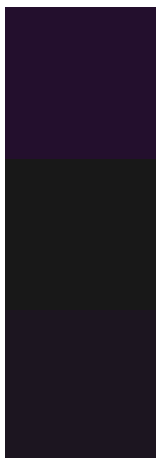
Deuteranomaly

22.7250, -9.1710, 6.5170

Tritanomaly

24.5540, 4.4920, 6.7000

Monochromacy



Original Color

24.4000, 2.2900, 13.5700

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

24.3470, 0.6410, 4.9050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.4000, 2.2900, 13.5700 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(35, 15, 45)` looks like.

```
.text, #text, p{  
    color:rgb(35, 15, 45)  
}
```

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(35, 15, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 15, 45) }
```

Border

The CSS property to change the border of an element to YIQ 24.4000, 2.2900, 13.5700 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(35, 15, 45) }
```


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

```
.border{ border-color:rgb(35, 15, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 15, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 15, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 15, 45);  
box-shadow:4px 4px 4px 4px rgb(35, 15, 45)  
}
```

Background

The CSS property to change the background color of an element to YIQ 24.4000, 2.2900, 13.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 15, 45) }
```

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

```
.background{ background-color: rgb(35, 15,  
45) }
```

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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