

Converting Colors

YIQ(171.2400, 77.0320,
-30.4240)

Have a look what the booklet for
YIQ(171.2400, 77.0320, -30.4240)
contains.

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Color

**YIQ(171.2400, 77.0320,
-30.4240)**

Conversions

Conversions Part 1

Format	Color
Hex	E2AA22
RGB	226, 170, 34
RGB Percent	89%, 67%, 13%
CMY	0.1137, 0.3334, 0.8662
CMYK	0.00, 0.25, 0.85, 0.11
HSL	42°, 77%, 51%
HSV	42°, 85%, 89%
XYZ	46.0284, 45.0273, 7.7865
YIQ	171.2400, 77.0320, -30.4240

Conversions

Conversions Part 2

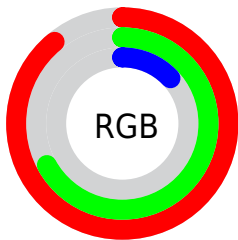
Format	Color
RYB	113, 226, 34
Decimal	14854690
CIELab	72.91, 9.41, 70.28
CIElCh	73, 70.905, 82.372
Yxy	45.0273, 0.4657, 0.4555
Android (android.graphics.Color)	4293044770 (0xFFE2AA22)
YUV	171.2400, -67.6593, 48.0245
Hunter-Lab	67.1024, 5.0115, 40.0917

Details

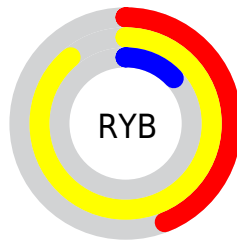
The YIQ color **171.2400, 77.0320, -30.4240** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **88.7600, -77.0320, 30.4240**, and the grayscale version is **172.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **219.0360, 59.9310, -34.3810**, and **118.9000, 66.4860, -26.5220** is the 20% darker color. If you saturate the color by 10%, you get **164.6230, 86.0190, -33.6050**, and if you desaturate by 10%, it is **177.9710, 67.7240, -26.9320**.

Distribution



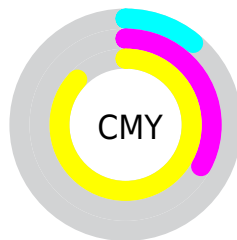
- Red (89%)
- Green (67%)
- Blue (13%)



- Red (44%)
- Yellow (89%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (85%)
- Black (11%)



- Cyan (11%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 171.2400, 77.0320, -30.4240 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 171.2400, 77.0320, -30.4240 by changing the saturation by 10% instead.

171.2400, 77.0320,
-30.4240

171.2400, 77.0320,
-30.4240

255.0000, -0.0000,
-0.0000

143.1320, 77.2160,
-33.7600

219.0360, 59.9310,
-34.3810

118.9000, 66.4860,
-26.5220

239.1370, 43.2890,
-41.1510

95.8420, 55.2060,
-20.3300

242.9160, 34.0260,
-32.9660

73.0830, 44.5220,
-13.9260

246.1080, 25.0380,
-24.2580

51.7970, 33.8840,
-8.3560

249.4140, 15.7290,
-15.2390

32.2830, 23.8880,
-3.4080

252.7200, 6.4200,

10.4320, 16.4590,

-6.2200

4.5790

■ 0.0000, 0.0000,
0.0000

■ 171.2400, 77.0320,
-30.4240

■ 171.2400, 77.0320,
-30.4240

■ 164.6230, 86.0190,
-33.6050

■ 177.9710, 67.7240,
-26.9320

■ 161.4940, 90.6960,
-35.7680

■ 184.0010, 59.0120,
-23.2280

■ 190.7320, 49.7040,
-19.7360

■ 196.8760, 40.6710,
-15.7210

■ 203.4930, 31.6840,
-12.5400

■ 210.2240, 22.3760,
-9.0480

■ 216.2540, 13.6640,
-5.3440

■ 222.9850, 4.3560,
-1.8520

■ 229.1290, -4.6770,
2.1630

Harmonies

Analogous

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



169.4370, 87.9840, 2.3840



171.2400, 77.0320, -30.4240



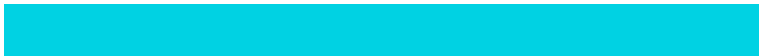
165.7670, 32.2870, -51.0170

Triad

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



171.2400, 77.0320, -30.4240



149.1480, -130.6170, -39.2330



183.3090, 23.2810, 57.1770

Complementary

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



171.2400, 77.0320, -30.4240



88.7600, -77.0320, 30.4240

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.



172.5250, -40.1220, 22.2940



171.2400, 77.0320, -30.4240



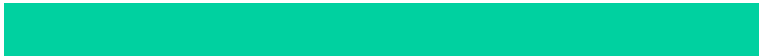
148.8180, -137.9550, -27.3870

Square

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



171.2400, 77.0320, -30.4240



140.9230, -108.8350, -59.5470



141.1870, -134.3800, -20.5880



168.0830, 55.9720, 53.9240

Rectangle

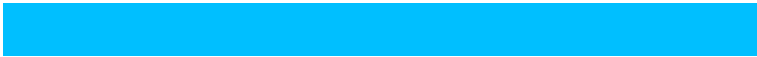
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



171.2400, 77.0320, -30.4240



159.5630, -11.1770, -56.2730



141.1870, -134.3800, -20.5880



182.0030, 6.2270, 46.8590

Sweetspot

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



171.2400, 77.0320, -30.4240



236.5510, 25.7690, -9.9670



98.0200, 95.8140, 58.7420



116.5100, 15.8190, -5.8530



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



171.2400, 77.0320, -30.4240



182.4920, 102.2050, -40.6030



192.7500, 38.9840, -67.7680



108.9850, 4.3560, -1.8520



125.9990, 70.5210, -28.0630



34.3100, 19.2580, -7.6060

Inverse Universe

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



88.7600, -77.0320, 30.4240



72.5080, -102.2050, 40.6030



67.2500, -38.9840, 67.7680



104.0150, -4.3560, 1.8520



50.0010, -70.5210, 28.0630



13.6900, -19.2580, 7.6060

Previews

White Background



This preview shows how the YIQ color 171.2400, 77.0320, -30.4240 looks on a white 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

Black Background



This preview shows how the YIQ color 171.2400, 77.0320, -30.4240 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 ✓ Pass

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

YIQ 171.2400, 77.0320, -30.4240

Background



This preview shows how black text looks on a background with the YIQ color 171.2400, 77.0320, -30.4240.



This preview shows how white text looks on a background with the YIQ color 171.2400, 77.0320,

-30.4240.

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

171.2400, 77.0320, -30.4240

Protanopia

170.2760, 59.0150, -39.8090

Deuteranopia

171.2400, 77.0320, -30.4240



Tritanopia

182.0920, 41.4440, 19.8440

Trichromacy



Original Color

171.2400, 77.0320, -30.4240

Protanomaly

170.5050, 65.8000, -36.1200

Deuteranomaly

171.2400, 77.0320, -30.4240

Tritanomaly

177.9570, 54.2850, 1.8770

Monochromacy



Original Color

171.2400, 77.0320, -30.4240

Achromatopsia

171.0000, -0.0000, -0.0000

Achromatomaly

171.2800, 27.9700, -11.3100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 171.2400, 77.0320, -30.4240 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(226, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(226, 170, 34)  
}
```

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(226, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 170, 34) }
```

Border

The CSS property to change the border of an element to YIQ 171.2400, 77.0320, -30.4240 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(226, 170, 34) }
```


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

```
.border{ border-color:rgb(226, 170, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 170, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(226, 170,  
34) }
```

Background

The CSS property to change the background color of an element to YIQ 171.2400, 77.0320, -30.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 170, 34) }
```

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

```
.background{ background-color: rgb(226,  
170, 34) }
```

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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