

Converting Colors

YIQ(196.1710, 80.3390,
-62.8370)

Have a look what the booklet for
YIQ(196.1710, 80.3390, -62.8370)
contains.

YIQ(196.1710, 80.3390, -62.8370)	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(196.1710, 80.3390,
-62.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	EAD700
RGB	234, 215, 0
RGB Percent	92%, 84%, 0%
CMY	0.0824, 0.1569, 0.9994
CMYK	0.00, 0.08, 1.00, 0.08
HSL	55°, 100%, 46%
HSV	55°, 100%, 92%
XYZ	58.2232, 66.0854, 9.6906
YIQ	196.1710, 80.3390, -62.8370

Conversions

Conversions Part 2

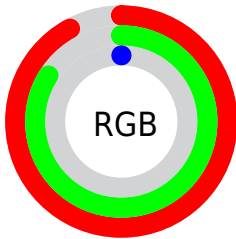
Format	Color
RYB	21, 234, 0
Decimal	15390464
CIELab	85.04, -10.88, 84.91
CIELCh	85, 85.605, 97.299
Yxy	66.0854, 0.4345, 0.4932
Android (android.graphics.Color)	4293580544 (0xFFEAD700)
YUV	196.1710, -96.7123, 33.1760
Hunter-Lab	81.2929, -14.4182, 49.8373

Details

The YIQ color **196.1710, 80.3390, -62.8370** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **37.8290, -80.3390, 62.8370**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **235.9620, 53.6070, -51.9370**, and **146.2340, 58.8330, -47.5270** is the 20% darker color. If you saturate the color by 10%, you get **196.1710, 80.3390, -62.8370**, and if you desaturate by 10%, it is **200.0810, 72.0850, -56.4190**.

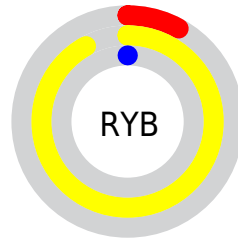
Distribution



Red (92%)

Green (84%)

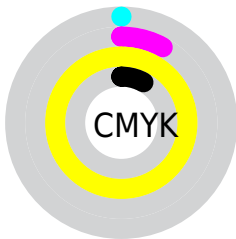
Blue (0%)



Red (8%)

Yellow (92%)

Blue (0%)

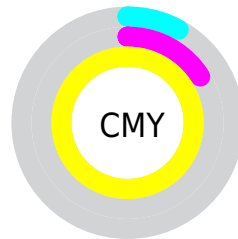


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 196.1710, 80.3390, -62.8370 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 196.1710, 80.3390, -62.8370 by changing the saturation by 10% instead.


 196.1710, 80.3390,
-62.8370


 196.1710, 80.3390,
-62.8370


255.0000, -0.0000,
-0.0000


 170.4660, 69.5630,
-54.7650


 235.9620, 53.6070,
-51.9370


 146.2340, 58.8330,
-47.5270

 239.3820, 43.9770,
-42.6070


 122.3010, 48.6990,
-40.0770


 242.6880, 34.6680,
-33.5880

 98.9550, 38.2900,
-33.1500

 246.1080, 25.0380,
-24.2580

 76.4950, 28.2020,
-26.5340

 249.4140, 15.7290,
-15.2390

 54.9210, 18.4350,
-20.2290

 252.8340, 6.0990,

 34.2330, 8.9890,

-5.9090

-14.2350

■ 12.9140, -6.0500,
-11.5060

■ 0.0000, 0.0000,
0.0000

■ 196.1710, 80.3390,
-62.8370

■ 200.0810, 72.0850,
-56.4190

■ 203.8770, 64.1520,
-50.3120

■ 207.6730, 56.2190,
-44.2050

■ 211.5830, 47.9650,
-37.7870

■ 214.7920, 40.3070,
-31.1570

■ 218.7020, 32.0530,
-24.7390

■ 222.4980, 24.1200,
-18.6320

■ 226.2940, 16.1870,
-12.5250

■ 230.2040, 7.9330,
-6.1070

Harmonies

Analogous

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



190.6540, 84.7340, -26.8340



196.1710, 80.3390, -62.8370



190.1770, 1.1130, -69.7590

Triad

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



196.1710, 80.3390, -62.8370



174.6460, -150.0550, -50.3990



191.0170, 29.9750, 57.0070

Complementary

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



196.1710, 80.3390, -62.8370



37.8290, -80.3390, 62.8370

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.



207.6640, 11.1350, 34.9990



196.1710, 80.3390, -62.8370



168.7760, -147.3050, -45.1690

Square

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



196.1710, 80.3390, -62.8370



173.0840, -142.9010, -58.9090



155.2750, -140.9800, -33.1400



175.4860, 53.0390, 46.5030

Rectangle

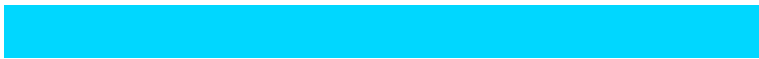
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



196.1710, 80.3390, -62.8370



169.4770, -79.1210, -80.4410



155.2750, -140.9800, -33.1400



197.4740, 26.9500, 51.2540

Sweetspot

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



196.1710, 80.3390, -62.8370



242.8140, 26.0460, -20.4980



72.2460, 133.0440, 55.8280



120.4080, 15.8660, -12.2140



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.



196.1710, 80.3390, -62.8370



213.6030, 87.6300, -68.3220



178.3210, 17.3020, -93.3380



115.1590, 3.8060, -2.8980



151.5610, 62.2260, -48.4460



44.9090, 18.7090, -14.1790

Inverse Universe

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



37.8290, -80.3390, 62.8370



41.3970, -87.6300, 68.3220



55.9780, -16.7060, 93.5500



107.8410, -3.8060, 2.8980



29.4390, -62.2260, 48.4460



8.5040, -18.4340, 14.7020

Previews

White Background



This preview shows how the YIQ color 196.1710, 80.3390, -62.8370 looks on a white background.

Color Contrast Check

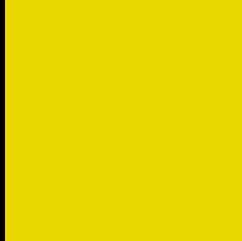
Large Text (above 18pt) WCAG AA × Fail

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 196.1710, 80.3390, -62.8370 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 196.1710, 80.3390, -62.8370

Background



This preview shows how black text looks on a background with the YIQ color 196.1710, 80.3390, -62.8370.



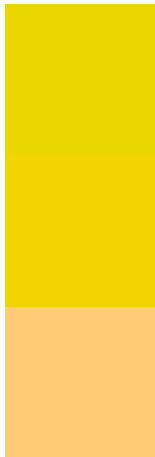
This preview shows how white text looks on a background with the YIQ color 196.1710, 80.3390, -62.8370.

-62.8370.

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

196.1710, 80.3390, -62.8370

Protanopia

196.7910, 84.4650, -60.5190

Deuteranopia

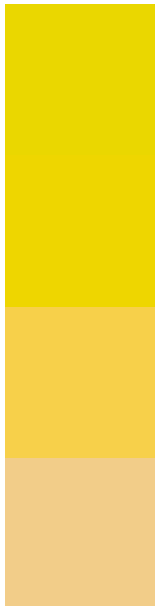
209.3310, 58.3230, -16.2450



Tritanopia

215.7630, 23.1970, 14.6290

Trichromacy



Original Color

196.1710, 80.3390, -62.8370

Protanomaly

196.7800, 82.9980, -61.4660

Deuteranomaly

204.3850, 66.2580, -33.4060

Tritanomaly

208.3110, 43.8800, -13.3040

Monochromacy



Original Color

196.1710, 80.3390, -62.8370

Achromatopsia

196.0000, -0.0000, -0.0000

Achromatomaly

196.2010, 29.2100, -22.7740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 196.1710, 80.3390, -62.8370 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(234, 215, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 0)  
}
```

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(234, 215, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 0) }
```

Border

The CSS property to change the border of an element to YIQ 196.1710, 80.3390, -62.8370 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(234, 215, 0) }
```


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

```
.border{ border-color:rgb(234, 215, 0) }
```

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

Here you see how a box with a 4 pixel rgb(234, 215, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 196.1710, 80.3390, -62.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 0) }
```

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

```
.background{ background-color: rgb(234,  
215, 0) }
```

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