

Converting Colors

YIQ(155.6810, 89.2720,
-20.9680)

Have a look what the booklet for
YIQ(155.6810, 89.2720, -20.9680)
contains.

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Color

**YIQ(155.6810, 89.2720,
-20.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	E49115
RGB	228, 145, 21
RGB Percent	89%, 57%, 8%
CMY	0.1058, 0.4315, 0.9172
CMYK	0.00, 0.36, 0.91, 0.11
HSL	36°, 83%, 49%
HSV	36°, 91%, 89%
XYZ	42.2611, 36.7936, 5.5895
YIQ	155.6810, 89.2720, -20.9680

Conversions

Conversions Part 2

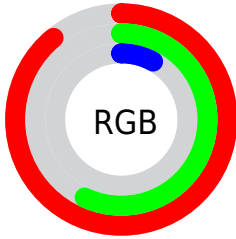
Format	Color
RYB	160, 228, 21
Decimal	14979349
CIELab	67.12, 23.34, 68.98
CIELCh	67, 72.825, 71.306
Yxy	36.7936, 0.4993, 0.4347
Android (android.graphics.Color)	4293169429 (0xFFE49115)
YUV	155.6810, -66.3977, 63.4238
Hunter-Lab	60.6577, 18.2124, 36.9969

Details

The YIQ color **155.6810, 89.2720, -20.9680** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **93.3190, -89.2720, 20.9680**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **202.4060, 70.9330, -24.5150**, and **104.8120, 73.0860, -13.9700** is the 20% darker color. If you saturate the color by 10%, you get **148.0040, 98.4880, -22.7920**, and if you desaturate by 10%, it is **163.5860, 79.4140, -18.5220**.

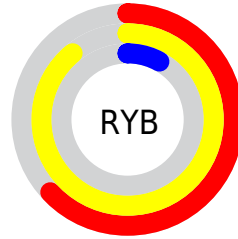
Distribution



Red (89%)

Green (57%)

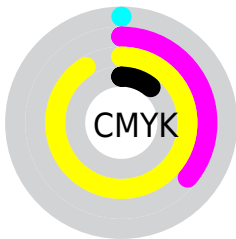
Blue (8%)



Red (63%)

Yellow (89%)

Blue (8%)

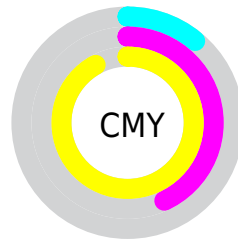


Cyan (0%)

Magenta (36%)

Yellow (91%)

Black (11%)



Cyan (11%)

Magenta (43%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 155.6810, 89.2720, -20.9680 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 155.6810, 89.2720, -20.9680 by changing the saturation by 10% instead.

155.6810, 89.2720,
-20.9680

155.6810, 89.2720,
-20.9680

255.0000, -0.0000,
-0.0000

128.7560, 84.6870,
-20.4730

202.4060, 70.9330,
-24.5150

104.8120, 73.0860,
-13.9700

222.0340, 54.2450,
-30.4510

82.0530, 62.4020,
-7.5660

241.5480, 37.8780,
-36.6980

59.5820, 50.8470,
-1.8970

244.7400, 28.8900,
-27.9900

37.9970, 39.6130,
3.4610

247.9320, 19.9020,
-19.2820

17.8960, 29.8920,
8.9320

251.2380, 10.5930,

6.8770, 13.7080,

-10.2630

4.8760

254.6580, 0.9630,
-0.9330

■ 0.0000, 0.0000,
0.0000

■ 155.6810, 89.2720,
-20.9680

■ 155.6810, 89.2720,
-20.9680

■ 148.0040, 98.4880,
-22.7920

■ 163.5860, 79.4140,
-18.5220

■ 171.4910, 69.5560,
-16.0760

■ 179.3960, 59.6980,
-13.6300

■ 187.7740, 49.8860,
-12.0180

■ 195.6790, 40.0280,
-9.5720

■ 203.5840, 30.1700,
-7.1260

■ 211.4890, 20.3120,
-4.6800

■ 219.3940, 10.4540,
-2.2340

■ 227.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



153.3430, 94.7210, 17.9610



155.6810, 89.2720, -20.9680



150.0440, 56.3120, -51.4000

Triad

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



155.6810, 89.2720, -20.9680



135.1960, -113.3770, -43.3050



166.6310, -1.2930, 50.9870

Complementary

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



155.6810, 89.2720, -20.9680



93.3190, -89.2720, 20.9680

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.



140.8970, -94.4960, 5.5040



155.6810, 89.2720, -20.9680



140.5030, -132.4540, -22.4540

Square

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



155.6810, 89.2720, -20.9680



125.6830, -90.7240, -62.8840



135.9040, -131.9050, -15.8810



161.4780, 56.6580, 63.5220

Rectangle

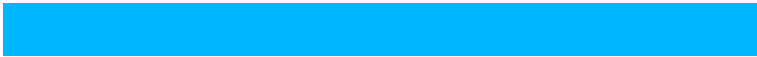
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



155.6810, 89.2720, -20.9680



146.5090, 15.2780, -56.6420



135.9040, -131.9050, -15.8810



163.5200, -23.3900, 38.4500

Sweetspot

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



155.6810, 89.2720, -20.9680



230.6980, 29.8490, -6.8150



92.6970, 95.7660, 70.6300



113.3470, 17.8360, -3.8600



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.



155.6810, 89.2720, -20.9680



166.0560, 109.9050, -25.9590



199.3190, 56.3150, -67.9810



110.6970, 5.2270, -1.1170



116.3300, 77.2590, -18.0130



33.4460, 21.8710, -5.4010

Inverse Universe

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



93.3190, -89.2720, 20.9680



88.9440, -109.9050, 25.9590



49.6810, -56.3150, 67.9810



107.3030, -5.2270, 1.1170



62.6700, -77.2590, 18.0130



17.5540, -21.8710, 5.4010

Previews

White Background



This preview shows how the YIQ color 155.6810, 89.2720, -20.9680 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 155.6810, 89.2720, -20.9680 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 155.6810, 89.2720, -20.9680

Background



This preview shows how black text looks on a background with the YIQ color 155.6810, 89.2720, -20.9680.



This preview shows how white text looks on a background with the YIQ color 155.6810, 89.2720, -20.9680.

-20.9680.

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

155.6810, 89.2720, -20.9680

Protanopia

154.6610, 56.4930, -38.1550

Deuteranopia

153.1060, 80.1050, -36.5590



Tritanopia

165.7410, 55.7940, 24.0980

Trichromacy



Original Color

155.6810, 89.2720, -20.9680

Protanomaly

155.1080, 68.5960, -31.7240

Deuteranomaly

153.9480, 83.7260, -30.5940

Tritanomaly

162.3610, 67.9470, 7.5870

Monochromacy



Original Color

155.6810, 89.2720, -20.9680

Achromatopsia

156.0000, -0.0000, -0.0000

Achromatomaly

155.8400, 32.3250, -7.6350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 155.6810, 89.2720, -20.9680 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(228, 145, 21)` looks like.

```
.text, #text, p{  
    color:rgb(228, 145, 21)  
}
```

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(228, 145, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 145, 21) }
```

Border

The CSS property to change the border of an element to YIQ 155.6810, 89.2720, -20.9680 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(228, 145, 21) }
```


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

```
.border{ border-color:rgb(228, 145, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 145, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 145, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 145, 21);  
box-shadow:4px 4px 4px 4px rgb(228, 145,  
21) }
```

Background

The CSS property to change the background color of an element to YIQ 155.6810, 89.2720, -20.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 145, 21) }
```

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

```
.background{ background-color: rgb(228,  
145, 21) }
```

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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