

Converting Colors

YIQ(29.6100, -8.2500, -15.6900)

Have a look what the booklet for
YIQ(29.6100, -8.2500, -15.6900)
contains.

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Color

**YIQ(29.6100, -8.2500,
-15.6900)**

Conversions

Conversions Part 1

Format	Color
Hex	0C2A0C
RGB	12, 42, 12
RGB Percent	5%, 16%, 5%
CMY	0.9530, 0.8352, 0.9529
CMYK	0.71, 0.00, 0.71, 0.84
HSL	120°, 56%, 11%
HSV	120°, 71%, 16%
XYZ	1.0461, 1.7614, 0.6326
YIQ	29.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

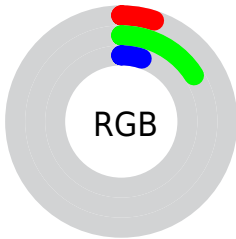
Format	Color
R_{YB}	12, 42, 42
Decimal	797196
CIE Lab	14.18, -18.87, 15.40
CIE LCh	14, 24.362, 140.784
Yxy	1.7614, 0.3041, 0.5120
Android (android.graphics.Color)	4278987276 (0xFF0C2A0C)
YUV	29.6100, -8.6817, -15.4440
Hunter-Lab	13.2716, -9.1561, 6.4641

Details

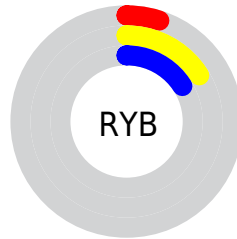
The YIQ color **29.6100, -8.2500, -15.6900** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **24.3900, 8.2500, 15.6900**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **74.9690, -7.8830, -16.8350**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **27.9580, -9.3500, -17.7820**, and if you desaturate by 10%, it is **31.2620, -7.1500, -13.5980**.

Distribution



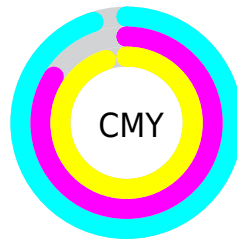
- Red (5%)
- Green (16%)
- Blue (5%)



- Red (5%)
- Yellow (16%)
- Blue (16%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (84%)



- Cyan (95%)
- Magenta (84%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.6100, -8.2500, -15.6900 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 29.6100, -8.2500, -15.6900 by changing the saturation by 10% instead.

■ 29.6100, -8.2500,
-15.6900

■ 29.6100, -8.2500,
-15.6900

■ 248.6480, -2.2450,
-8.8770

■ 13.5010, -6.3250,
-12.0290

■ 74.9690, -7.8830,
-16.8350

■ 0.0000, 0.0000,
0.0000

■ 98.8550, -7.5620,
-17.1460

■ 124.0290, -8.1120,
-18.1920

■ 150.0290, -8.1120,
-18.1920

■ 177.2030, -8.6620,
-19.2380

■ 204.0890, -8.3410,

-19.5490

■ 232.6760, -8.6160,
-20.0720

■ 29.6100, -8.2500,
-15.6900

■ 29.6100, -8.2500,
-15.6900

■ 27.9580, -9.3500,
-17.7820

■ 31.2620, -7.1500,
-13.5980

■ 26.3060, -10.4500,
-19.8740

■ 32.9140, -6.0500,
-11.5060

■ 24.6540, -11.5500,
-21.9660

■ 34.9790, -4.6750,
-8.8910

■ 36.6310, -3.5750,
-6.7990

■ 38.2830, -2.4750,
-4.7070

■ 39.9350, -1.3750,
-2.6150

■ 41.5870, -0.2750,
-0.5230

■ 43.6520, 1.1000,
2.0920

■ 45.3040, 2.2000,
4.1840

Harmonies

Analogous

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



33.3580, 10.1350, -12.9770



29.6100, -8.2500, -15.6900



29.2480, -21.7300, -13.6820

Triad

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



29.6100, -8.2500, -15.6900



30.8730, -33.1950, 1.3730



34.6230, 26.4070, 11.5190

Complementary

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



29.6100, -8.2500, -15.6900



24.3900, 8.2500, 15.6900

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.



35.6640, 19.1620, 16.1700



29.6100, -8.2500, -15.6900



35.4840, -15.6820, 8.8780

Square

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



29.6100, -8.2500, -15.6900



32.3090, -31.7270, -3.2070



37.1230, 4.6280, 15.2520



34.1850, 27.2800, 1.2000

Rectangle

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



29.6100, -8.2500, -15.6900



30.6160, -25.5820, -9.9500



37.1230, 4.6280, 15.2520



34.7200, 24.7560, 13.9080

Sweetspot

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



29.6100, -8.2500, -15.6900



49.0440, -3.3000, -6.2760



38.5800, 9.6300, -9.3300



25.1090, -1.9250, -3.6610



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



29.6100, -8.2500, -15.6900



34.7030, -13.2460, -24.2700



31.3200, -13.0650, -11.0250



19.1740, -0.5500, -1.0460



49.3080, -23.1000, -43.9320



124.4440, -58.3000, -110.8760

Inverse Universe

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



24.3900, 8.2500, 15.6900



26.4110, 12.9250, 24.5810



22.6800, 13.0650, 11.0250



18.8260, 0.5500, 1.0460



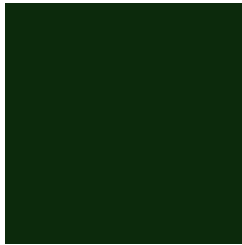
34.6920, 23.1000, 43.9320



87.5560, 58.3000, 110.8760

Previews

White Background



This preview shows how the YIQ color 29.6100, -8.2500, -15.6900 looks on a white background.

Color Contrast Check

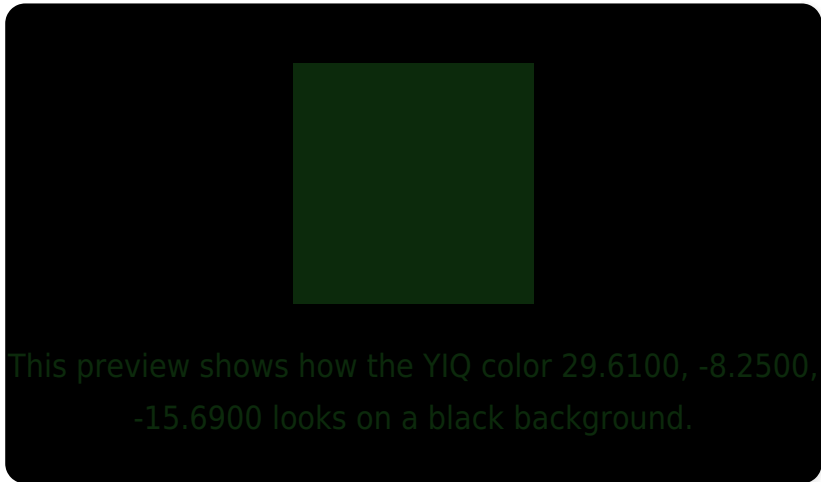
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6100, -8.2500, -15.6900

Background



This preview shows how black text looks on a background with the YIQ color 29.6100, -8.2500, -15.6900.



This preview shows how white text looks on a background with the YIQ color 29.6100, -8.2500,

-15.6900.

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

29.6100, -8.2500, -15.6900

Protanopia

34.6450, 11.0050, -6.7150

Deuteranopia

35.7100, 12.3800, -4.1000



Tritanopia

33.6610, -12.2870, -3.0950

Trichromacy



Original Color

29.6100, -8.2500, -15.6900

Protanomaly

32.5300, 3.8990, -10.0930

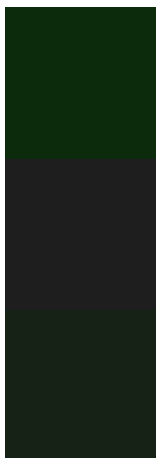
Deuteranomaly

33.7690, 4.7240, -8.5240

Tritanomaly

32.0970, -10.8190, -7.6750

Monochromacy



Original Color

29.6100, -8.2500, -15.6900

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

29.4570, -3.0250, -5.7530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.6100, -8.2500, -15.6900 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(12, 42, 12)` looks like.

```
.text, #text, p{  
    color:rgb(12, 42, 12)  
}
```

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(12, 42, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 42, 12) }
```

Border

The CSS property to change the border of an element to YIQ 29.6100, -8.2500, -15.6900 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(12, 42, 12) }
```


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

```
.border{ border-color:rgb(12, 42, 12) }
```

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

Here you see how a box with a 4 pixel rgb(12, 42, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 42, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 42, 12);  
box-shadow:4px 4px 4px 4px rgb(12, 42, 12)  
}
```

Background

The CSS property to change the background color of an element to YIQ 29.6100, -8.2500, -15.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 42, 12) }
```

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

```
.background{ background-color: rgb(12, 42,  
12) }
```

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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