

Converting Colors

YIQ(64.2850, 128.1400, 45.5800)

Have a look what the booklet for
YIQ(64.2850, 128.1400, 45.5800)
contains.

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Color

**YIQ(64.2850, 128.1400,
45.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	D70000
RGB	215, 0, 0
RGB Percent	84%, 0%, 0%
CMY	0.1564, 0.9998, 0.9995
CMYK	0.00, 1.00, 1.00, 0.16
HSL	360°, 100%, 42%
HSV	360°, 100%, 84%
XYZ	28.0634, 14.4671, 1.3171
YIQ	64.2850, 128.1400, 45.5800

Conversions

Conversions Part 2

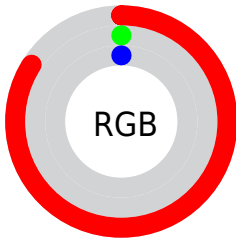
Format	Color
RYB	215, 0, 0
Decimal	14090240
CIELab	44.90, 70.46, 59.08
CIElCh	45, 91.955, 39.979
Yxy	14.4671, 0.6400, 0.3299
Android (android.graphics.Color)	4292280320 (0xFFD70000)
YUV	64.2850, -31.6925, 132.1771
Hunter-Lab	38.0357, 65.1380, 24.5719

Details

The YIQ color **64.2850, 128.1400, 45.5800** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **150.7150, -128.1400, -45.5800**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **134.0570, 110.4460, 24.8300**, and **44.5510, 88.8040, 31.5880** is the 20% darker color. If you saturate the color by 10%, you get **64.2850, 128.1400, 45.5800**, and if you desaturate by 10%, it is **79.7070, 115.0280, 40.9160**.

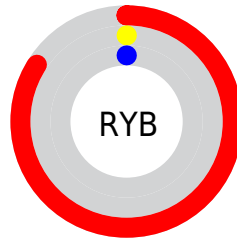
Distribution



Red (84%)

Green (0%)

Blue (0%)



Red (84%)

Yellow (0%)

Blue (0%)

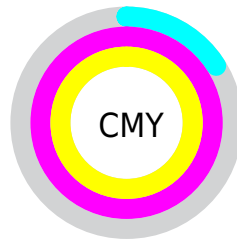


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 64.2850, 128.1400, 45.5800 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 64.2850, 128.1400, 45.5800 by changing the saturation by 10% instead.

 64.2850, 128.1400,
45.5800


 64.2850, 128.1400,
45.5800


 253.4040, 4.4940,
-4.3540


 54.4180, 108.4720,
38.5840


 134.0570,
110.4460, 24.8300


 44.8500, 89.4000,
31.8000


 154.5170, 94.1710,
16.9150


 34.9830, 69.7320,
24.8040


 174.3900, 78.1710,
9.5230

 25.9420, 50.6140,
18.8540

 194.3770, 61.8500,
2.4420

 16.9720, 32.7340,
12.4940

 215.0650, 44.9330,
-4.8510

 4.1860, 8.3440,
2.9680


 235.7530, 28.0160,


 0.0000, 0.0000,


-12.1440

0.0000


 250.0980, 13.8030,
-13.3730


 64.2850, 128.1400,
45.5800

 79.7070, 115.0280,
40.9160

 94.4280, 102.5120,
36.4640

 109.8500, 89.4000,
31.8000

 124.5710, 76.8840,
27.3480

 139.9930, 63.7720,
22.6840

■ 154.7140, 51.2560,
18.2320

■ 170.1360, 38.1440,
13.5680

■ 184.8570, 25.6280,
9.1160

■ 200.2790, 12.5160,
4.4520

Harmonies

Analogous

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



79.3570, 111.5830, 75.8310



64.2850, 128.1400, 45.5800



98.9640, 78.7700, -6.8460

Triad

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



64.2850, 128.1400, 45.5800



83.5430, -51.9830, -54.6310



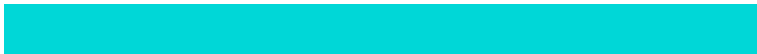
93.6400, -112.1050, 21.7750

Complementary

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



64.2850, 128.1400, 45.5800



150.7150, -128.1400, -45.5800

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.



104.5650, -116.6880, 11.2160



64.2850, 128.1400, 45.5800



94.1790, -79.1760, -29.8640

Square

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



64.2850, 128.1400, 45.5800



73.9620, -34.6500, -65.8980



102.6150, -102.9300, -6.8500



104.5610, -12.2990, 63.2290

Rectangle

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



64.2850, 128.1400, 45.5800



99.9180, 48.8800, -26.8320



102.6150, -102.9300, -6.8500



98.3360, -114.3050, 17.5910

Sweetspot

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



64.2850, 128.1400, 45.5800



201.7240, 45.2960, 16.1120



87.8980, 57.3370, 111.8090



95.7540, 27.4160, 9.7520



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.



64.2850, 128.1400, 45.5800



76.2450, 151.9800, 54.0600



125.3330, 99.5400, -8.8120



99.2890, 6.5560, 2.3320



51.1290, 101.9160, 36.2520



12.8570, 25.6280, 9.1160

Inverse Universe

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



64.2850, 128.1400, 45.5800



76.2450, 151.9800, 54.0600



89.6670, -99.5400, 8.8120



99.2890, 6.5560, 2.3320



51.1290, 101.9160, 36.2520



12.8570, 25.6280, 9.1160

Previews

White Background



This preview shows how the YIQ color 64.2850, 128.1400, 45.5800 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 × Fail

Black Background



This preview shows how the YIQ color 64.2850, 128.1400, 45.5800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 64.2850, 128.1400, 45.5800

Background



This preview shows how black text looks on a background with the YIQ color 64.2850, 128.1400, 45.5800.



This preview shows how white text looks on a background with the YIQ color 64.2850, 128.1400,

45.5800.

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

64.2850, 128.1400, 45.5800

Protanopia

103.6530, 33.7490, -22.4350

Deuteranopia

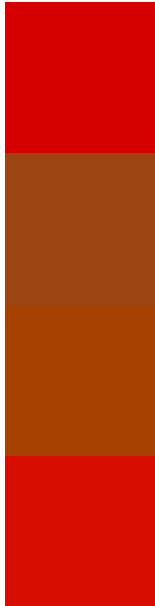
101.4240, 53.3270, -24.8250



Tritanopia

75.4270, 121.4480, 34.6960

Trichromacy



Original Color

64.2850, 128.1400, 45.5800

Protanomaly

89.1990, 68.2230, 2.5830

Deuteranomaly

88.0770, 80.1900, 0.4620

Tritanomaly

71.6170, 123.9690, 38.5690

Monochromacy



Original Color

64.2850, 128.1400, 45.5800

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

64.3220, 46.4880, 16.5360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 64.2850, 128.1400, 45.5800 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(215, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 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(215, 0, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to YIQ 64.2850, 128.1400, 45.5800 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(215, 0, 0) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to YIQ 64.2850, 128.1400, 45.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(215, 0,  
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](#).

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