

Converting Colors

YIQ(85.4960, 126.1680, 48.2800)

Have a look what the booklet for
YIQ(85.4960, 126.1680, 48.2800)
contains.

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Color

**YIQ(85.4960, 126.1680,
48.2800)**

Conversions

Conversions Part 1

Format	Color
Hex	EC141C
RGB	236, 20, 28
RGB Percent	93%, 8%, 11%
CMY	0.0740, 0.9218, 0.8897
CMYK	0.00, 0.92, 0.88, 0.07
HSL	358°, 85%, 50%
HSV	358°, 92%, 93%
XYZ	35.0957, 18.4371, 2.8155
YIQ	85.4960, 126.1680, 48.2800

Conversions

Conversions Part 2

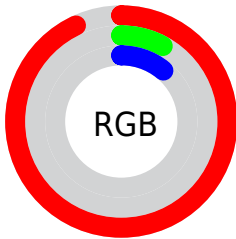
Format	Color
R_{YB}	236, 20, 28
Decimal	15471644
CIE _{Lab}	50.02, 74.13, 54.69
CIE _{LCh}	50, 92.121, 36.418
Yxy	18.4371, 0.6228, 0.3272
Android (android.graphics.Color)	4293661724 (0xFFEC141C)
YUV	85.4960, -28.3455, 131.9920
Hunter-Lab	42.9384, 70.7546, 26.1692

Details

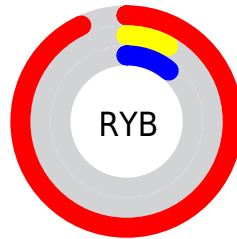
The YIQ color **85.4960, 126.1680, 48.2800** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **170.5040, -126.1680, -48.2800**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.8480, 100.9090, 26.9650**, and **50.8300, 101.3200, 36.0400** is the 20% darker color. If you saturate the color by 10%, you get **71.5900, 137.7670, 52.8310**, and if you desaturate by 10%, it is **102.2060, 112.1850, 42.8810**.

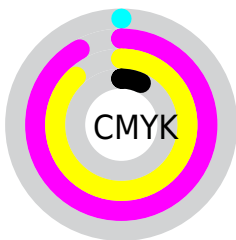
Distribution



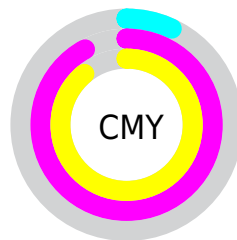
- Red (93%)
- Green (8%)
- Blue (11%)



- Red (93%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (92%)
- Yellow (88%)
- Black (7%)





- Cyan (7%)
- Magenta (92%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 85.4960, 126.1680, 48.2800 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 85.4960, 126.1680, 48.2800 by changing the saturation by 10% instead.


 85.4960, 126.1680,
48.2800


 85.4960, 126.1680,
48.2800


255.0000, -0.0000,
-0.0000


 61.0390, 120.0250,
43.9690


 141.8480,
100.9090, 26.9650


 50.8300, 101.3200,
36.0400


 162.8950, 84.3590,
18.5270


 40.9630, 81.6520,
29.0440


 183.3550, 68.0840,
10.6120

 31.5090, 62.2590,
22.5710

 203.4560, 51.4420,
3.8420

 23.1800, 44.0120,
17.3560

 224.1440, 34.5250,
-3.4510

 12.9710, 25.3070,
9.4270

 245.5330, 17.0120,

 0.0000, 0.0000,

-10.9560

0.0000

252.8340, 6.0990,
-5.9090

85.4960, 126.1680,
48.2800

85.4960, 126.1680,
48.2800

71.5900, 137.7670,
52.8310

102.2060,
112.1850, 42.8810

118.3290, 98.4770,
38.0050

134.9250, 84.8150,
32.2950

151.0480, 71.1070,
27.4190

167.7580, 57.1240,
22.0200

■ 184.3540, 43.4620,
16.3100

■ 200.4770, 29.7540,
11.4340

■ 217.1870, 15.7710,
6.0350

■ 233.3100, 2.0630,
1.1590

Harmonies

Analogous

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



86.8340, 114.9740, 85.9660



85.4960, 126.1680, 48.2800



110.5370, 90.2780, -6.1540

Triad

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



85.4960, 126.1680, 48.2800



91.4020, -56.2000, -60.8080



102.4450, -116.2300, 13.9300

Complementary

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



85.4960, 126.1680, 48.2800



170.5040, -126.1680, -48.2800

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.



113.5980, -121.4550, 3.9930



85.4960, 126.1680, 48.2800



103.4400, -84.5850, -36.4650

Square

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



85.4960, 126.1680, 48.2800



89.9650, -21.5370, -66.7610



112.1040, -108.9810, -12.8290



118.3960, -25.1360, 59.0880

Rectangle

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



85.4960, 126.1680, 48.2800



112.0780, 60.1130, -26.6630



112.1040, -108.9810, -12.8290



107.1410, -118.4300, 9.7460

Sweetspot

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



85.4960, 126.1680, 48.2800



206.9730, 40.1610, 15.5610



105.9190, 52.8440, 110.6360



99.3730, 24.1150, 9.0030



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.



85.4960, 126.1680, 48.2800



77.3850, 148.7700, 57.1700



141.5230, 102.0610, -4.9390



109.2890, 6.5560, 2.3320



54.9170, 105.6290, 40.5490



16.3740, 31.5420, 12.0700

Inverse Universe

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



85.4960, 126.1680, 48.2800



77.3850, 148.7700, 57.1700



114.4770, -102.0610, 4.9390



109.2890, 6.5560, 2.3320



54.9170, 105.6290, 40.5490



16.3740, 31.5420, 12.0700

Previews

White Background



This preview shows how the YIQ color 85.4960, 126.1680, 48.2800 looks on a white 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

Black Background



This preview shows how the YIQ color 85.4960, 126.1680, 48.2800 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 × Fail

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

YIQ 85.4960, 126.1680, 48.2800

Background



This preview shows how black text looks on a background with the YIQ color 85.4960, 126.1680, 48.2800.



This preview shows how white text looks on a background with the YIQ color 85.4960, 126.1680,

48.2800.

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

85.4960, 126.1680, 48.2800

Protanopia

116.0920, 31.1350, -19.1130

Deuteranopia

112.3660, 59.2420, -27.3980



Tritanopia

84.6180, 131.3960, 41.6360

Trichromacy



Original Color

85.4960, 126.1680, 48.2800

Protanomaly

105.1110, 65.6550, 5.0710

Deuteranomaly

102.8170, 83.8580, 0.0660

Tritanomaly

84.8290, 129.4240, 44.3360

Monochromacy



Original Color

85.4960, 126.1680, 48.2800

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.9630, 46.1210, 17.6810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.4960, 126.1680, 48.2800 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(236, 20, 28)` looks like.

```
.text, #text, p{  
    color:rgb(236, 20, 28)  
}
```

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(236, 20, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 20, 28) }
```

Border

The CSS property to change the border of an element to YIQ 85.4960, 126.1680, 48.2800 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(236, 20, 28) }
```


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

```
.border{ border-color:rgb(236, 20, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 20, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 20, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 20, 28);  
box-shadow:4px 4px 4px 4px rgb(236, 20,  
28) }
```

Background

The CSS property to change the background color of an element to YIQ 85.4960, 126.1680, 48.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 20, 28) }
```

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

```
.background{ background-color: rgb(236, 20,  
28) }
```

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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