

Converting Colors

YIQ(56.5110, 112.6440, 40.0680)

Have a look what the booklet for
YIQ(56.5110, 112.6440, 40.0680)
contains.

YIQ(56.5110, 112.6440, 40.0680)	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(56.5110, 112.6440,
40.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0000
RGB	189, 0, 0
RGB Percent	74%, 0%, 0%
CMY	0.2584, 0.9999, 0.9996
CMYK	0.00, 1.00, 1.00, 0.26
HSL	360°, 100%, 37%
HSV	360°, 100%, 74%
XYZ	21.0154, 10.8337, 0.9868
YIQ	56.5110, 112.6440, 40.0680

Conversions

Conversions Part 2

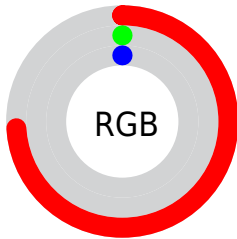
Format	Color
R_{YB}	189, 0, 0
Decimal	12386304
CIE Lab	39.30, 63.99, 53.65
CIE LCh	39, 83.499, 39.976
Yxy	10.8337, 0.6400, 0.3299
Android (android.graphics.Color)	4290576384 (0xFFBD0000)
YUV	56.5110, -27.8599, 116.1929
Hunter-Lab	32.9146, 56.3681, 21.2628

Details

The YIQ color **56.5110, 112.6440, 40.0680** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **132.4890, -112.6440, -40.0680**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.8940, 112.4630, 26.8230**, and **37.3750, 74.5000, 26.5000** is the 20% darker color. If you saturate the color by 10%, you get **56.5110, 112.6440, 40.0680**, and if you desaturate by 10%, it is **69.8300, 101.3200, 36.0400**.

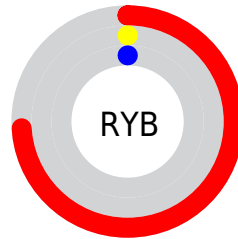
Distribution



Red (74%)

Green (0%)

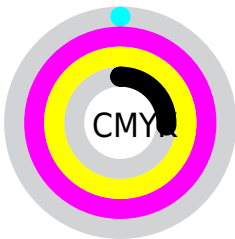
Blue (0%)



Red (74%)

Yellow (0%)

Blue (0%)

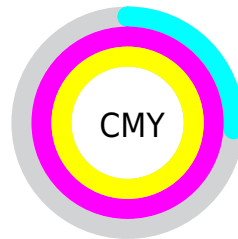


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 56.5110, 112.6440, 40.0680 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 56.5110, 112.6440, 40.0680 by changing the saturation by 10% instead.


 56.5110, 112.6440,
40.0680


 56.5110, 112.6440,
40.0680


 252.8340, 6.0990,
-5.9090


 46.9430, 93.5720,
33.2840


 129.8940,
112.4630, 26.8230


 37.3750, 74.5000,
26.5000


 149.9520, 97.3800,
19.3320


 28.1060, 56.0240,
19.9280

 169.2380, 81.6550,
12.4630

 20.0760, 38.3730,
14.9250

 189.2250, 65.3340,
5.3820


 9.6820, 18.7510,
7.0950


 209.2120, 49.0130,
-1.6990


 0.0000, 0.0000,
0.0000


 229.3130, 32.3710,


-8.4690


 249.5280, 15.4080,
-14.9280


 56.5110, 112.6440,
40.0680

 69.8300, 101.3200,
36.0400

 83.1490, 89.9960,
32.0120

 96.4680, 78.6720,
27.9840

 109.7870, 67.3480,
23.9560

 123.1060, 56.0240,
19.9280

■ 136.4250, 44.7000,
15.9000

■ 149.0430, 33.9720,
12.0840

■ 162.3620, 22.6480,
8.0560

■ 175.6810, 11.3240,
4.0280

Harmonies

Analogous

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



69.7310, 98.4260, 66.4740



56.5110, 112.6440, 40.0680



86.2280, 69.2790, -5.5450

Triad

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



56.5110, 112.6440, 40.0680



72.7660, -45.0610, -47.9170



82.5720, -100.2300, 21.3220

Complementary

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



56.5110, 112.6440, 40.0680



132.4890, -112.6440, -40.0680

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.



91.7530, -102.6580, 10.2540



56.5110, 112.6440, 40.0680



82.3760, -69.3650, -25.9490

Square

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



56.5110, 112.6440, 40.0680



64.5700, -30.2500, -57.5300



90.3730, -90.5050, -6.2570



91.1170, -11.2890, 55.9350

Rectangle

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



56.5110, 112.6440, 40.0680



86.9160, 43.1940, -22.9020



90.3730, -90.5050, -6.2570



86.9090, -102.7970, 18.2830

Sweetspot

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



56.5110, 112.6440, 40.0680



193.1260, 44.1040, 15.6880



77.1600, 50.1870, 98.2110



91.1560, 26.2240, 9.3280



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



56.5110, 112.6440, 40.0680



73.2550, 146.0200, 51.9400



109.9280, 87.6190, -7.5250



87.6910, 5.3640, 1.9080



47.2420, 94.1680, 33.4960



9.2690, 18.4760, 6.5720

Inverse Universe

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



56.5110, 112.6440, 40.0680



73.2550, 146.0200, 51.9400



79.0720, -87.6190, 7.5250



87.6910, 5.3640, 1.9080



47.2420, 94.1680, 33.4960



9.2690, 18.4760, 6.5720

Previews

White Background



This preview shows how the YIQ color 56.5110, 112.6440, 40.0680 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



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 56.5110, 112.6440, 40.0680

Background



This preview shows how black text looks on a background with the YIQ color 56.5110, 112.6440, 40.0680.



This preview shows how white text looks on a background with the YIQ color 56.5110, 112.6440,

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

56.5110, 112.6440, 40.0680

Protanopia

91.0810, 29.6680, -20.0600

Deuteranopia

89.2970, 46.4950, -22.1530



Tritanopia

66.7780, 107.0980, 30.4420

Trichromacy



Original Color

56.5110, 112.6440, 40.0680

Protanomaly

78.4800, 60.0620, 1.8060

Deuteranomaly

77.4010, 70.4700, 0.4060

Tritanomaly

62.6690, 109.0230, 34.1030

Monochromacy



Original Color

56.5110, 112.6440, 40.0680

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

56.6310, 41.1240, 14.6280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.5110, 112.6440, 40.0680 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(189, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 0) }
```

Border

The CSS property to change the border of an element to YIQ 56.5110, 112.6440, 40.0680 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(189, 0, 0) }
```


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

```
.border{ border-color:rgb(189, 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(189, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(189, 0, 0); box-shadow:4px  
4px 4px 4px rgb(189, 0, 0) }
```

Background

The CSS property to change the background color of an element to YIQ 56.5110, 112.6440, 40.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 0) }
```

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

```
.background{ background-color: rgb(189, 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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