

Converting Colors

YIQ(116.4950, 64.8740, 13.7220)

Have a look what the booklet for
YIQ(116.4950, 64.8740, 13.7220)
contains.

YIQ(116.4950, 64.8740, 13.7220)	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(116.4950, 64.8740,
13.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5A44
RGB	187, 90, 68
RGB Percent	73%, 35%, 27%
CMY	0.2665, 0.6472, 0.7331
CMYK	0.00, 0.52, 0.64, 0.27
HSL	11°, 47%, 50%
HSV	11°, 64%, 73%
XYZ	25.2053, 18.2954, 7.6830
YIQ	116.4950, 64.8740, 13.7220

Conversions

Conversions Part 2

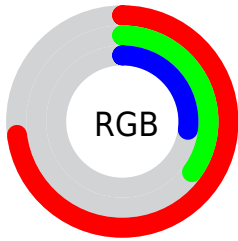
Format	Color
RYB	187, 95, 68
Decimal	12278340
CIELab	49.85, 37.39, 30.89
CIElCh	50, 48.499, 39.567
Yxy	18.2954, 0.4924, 0.3574
Android (android.graphics.Color)	4290468420 (0xFFBB5A44)
YUV	116.4950, -23.9080, 61.8329
Hunter-Lab	42.7732, 30.3332, 19.2915

Details

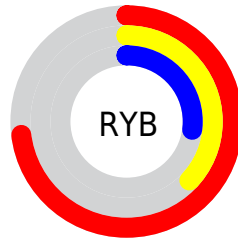
The YIQ color **116.4950, 64.8740, 13.7220** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **138.5050, -64.8740, -13.7220**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.5450, 70.6050, 14.4850**, and **64.4880, 57.5840, 13.6800** is the 20% darker color. If you saturate the color by 10%, you get **105.5240, 75.0980, 15.6580**, and if you desaturate by 10%, it is **127.4660, 54.6500, 11.7860**.

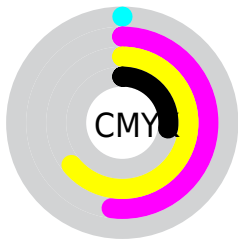
Distribution



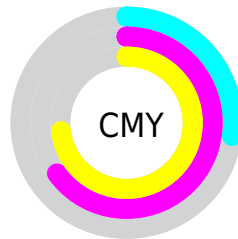
- Red (73%)
- Green (35%)
- Blue (27%)



- Red (73%)
- Yellow (37%)
- Blue (27%)



- Cyan (0%)
- Magenta (52%)
- Yellow (64%)
- Black (27%)




- Cyan (27%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.4950, 64.8740, 13.7220 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 116.4950, 64.8740, 13.7220 by changing the saturation by 10% instead.


 116.4950, 64.8740,
13.7220

 116.4950, 64.8740,
13.7220


255.0000, -0.0000,
-0.0000


 90.5270, 61.8480,
13.4960


 170.8440, 71.2010,
14.6970


 64.4880, 57.5840,
13.6800


 191.7500, 59.6020,
10.1460

 36.3570, 56.5750,
15.4470

 211.1500, 43.5560,
3.5880

 21.5280, 42.9120,
15.2640

 230.6640, 27.1890,
-2.6590

 14.5800, 27.9660,
10.7980

 251.5800, 9.6300,
-9.3300

 0.0000, 0.0000,
0.0000

254.7720, 0.6420,

-0.6220

■ 116.4950, 64.8740,
13.7220

■ 116.4950, 64.8740,
13.7220

■ 105.5240, 75.0980,
15.6580

■ 127.4660, 54.6500,
11.7860

■ 94.0800, 85.2760,
18.4280

■ 138.3230, 44.7470,
9.5390

■ 83.1090, 95.5000,
20.3640

■ 149.8810, 34.2480,
7.0800

■ 75.8710, 102.1020,
21.8620

■ 160.8520, 24.0240,
5.1440

■ 171.8230, 13.8000,
3.2080

■ 183.2670, 3.6220,
0.4380

■ 194.2380, -6.6020,
-1.4980

■ 205.2090,
-16.8260, -3.4340

■ 216.0660,
-26.7290, -5.6810

Harmonies

Analogous

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



117.1640, 59.2770, 32.5650



116.4950, 64.8740, 13.7220



115.2910, 55.8000, -9.0640

Triad

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



116.4950, 64.8740, 13.7220



90.4510, -65.9230, -44.2830



110.8920, -60.5690, 12.8950

Complementary

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



116.4950, 64.8740, 13.7220



138.5050, -64.8740, -13.7220

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.



99.1270, -98.6200, -7.8680



116.4950, 64.8740, 13.7220



96.5270, -80.2760, -31.9560

Square

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



116.4950, 64.8740, 13.7220



107.8270, -2.3320, -34.8440



99.7990, -92.2450, -18.7810



121.8840, -4.2240, 32.5120

Rectangle

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



116.4950, 64.8740, 13.7220



113.5570, 42.8270, -21.7570



99.7990, -92.2450, -18.7810



95.1150, -98.3460, -1.8180

Sweetspot

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



116.4950, 64.8740, 13.7220



215.0370, 24.9410, 5.0450



114.6390, 39.7870, 55.3950



105.3070, 15.3130, 3.3210



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.



116.4950, 64.8740, 13.7220



132.9740, 100.3140, 21.2260



151.1280, 48.6490, -17.1350



88.8650, 4.8140, 0.8620



64.2650, 86.1930, 18.3290



12.7910, 16.8260, 3.4340

Inverse Universe

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



138.5050, -64.8740, -13.7220



167.0260, -100.3140, -21.2260



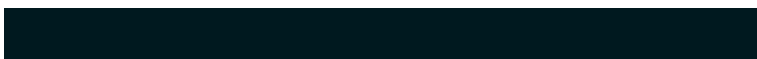
103.8720, -48.6490, 17.1350



90.7220, -5.0890, -1.3850



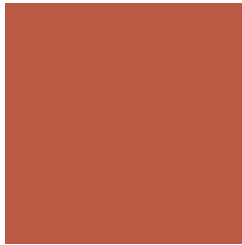
93.7350, -86.1930, -18.3290



18.2090, -16.8260, -3.4340

Previews

White Background



This preview shows how the YIQ color 116.4950, 64.8740, 13.7220 looks on a white background.

Color Contrast Check

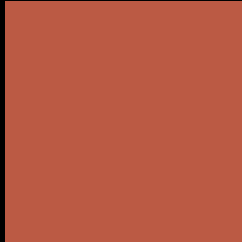
Large Text (above 18pt) WCAG AA ✓ Pass

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 116.4950, 64.8740, 13.7220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

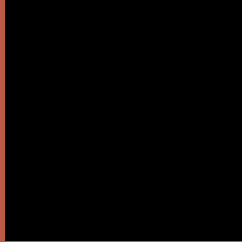
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 116.4950, 64.8740, 13.7220

Background



This preview shows how black text looks on a background with the YIQ color 116.4950, 64.8740, 13.7220.



This preview shows how white text looks on a background with the YIQ color 116.4950, 64.8740,

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

116.4950, 64.8740, 13.7220

Protanopia

117.4300, 18.8000, -10.3200

Deuteranopia

117.7540, 35.4430, -9.0770



Tritanopia

117.8830, 58.2700, 23.2780

Trichromacy



Original Color

116.4950, 64.8740, 13.7220

Protanomaly

116.7960, 35.6250, -1.3590

Deuteranomaly

117.1840, 46.2160, -0.5680

Tritanomaly

117.4440, 60.8840, 19.9560

Monochromacy



Original Color

116.4950, 64.8740, 13.7220

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

116.5530, 23.4280, 4.9320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.4950, 64.8740, 13.7220 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(187, 90, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 90, 68)  
}
```

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(187, 90, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 90, 68) }
```

Border

The CSS property to change the border of an element to YIQ 116.4950, 64.8740, 13.7220 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(187, 90, 68) }
```


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

```
.border{ border-color:rgb(187, 90, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 90, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 90, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 90, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 90,  
68) }
```

Background

The CSS property to change the background color of an element to YIQ 116.4950, 64.8740, 13.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 90, 68) }
```

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

```
.background{ background-color: rgb(187, 90,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor