

Converting Colors

YUV(180.4080, -65.7701,
48.7542)

Have a look what the booklet for
YUV(180.4080, -65.7701, 48.7542)
contains.

YUV(180.4080, -65.7701, 48.7542)	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

**YUV(180.4080, -65.7701,
48.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB22F
RGB	236, 178, 47
RGB Percent	93%, 70%, 18%
CMY	0.0745, 0.3020, 0.8157
CMYK	0.00, 0.25, 0.80, 0.07
HSL	42°, 83%, 55%
HSV	42°, 80%, 93%
XYZ	51.0256, 49.8789, 9.6276
YIQ	180.4080, 76.6190, -28.4450

Conversions

Conversions Part 2

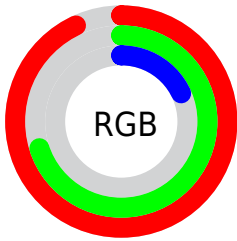
Format	Color
R _Y B	131, 236, 47
Decimal	15512111
CIE Lab	75.99, 9.84, 69.51
CIE LCh	76, 70.204, 81.944
Yxy	49.8789, 0.4616, 0.4513
Android (android.graphics.Color)	4293702191 (0xFFECB22F)
YUV	180.4080, -65.7701, 48.7542
Hunter-Lab	70.6250, 5.3700, 41.3551

Details

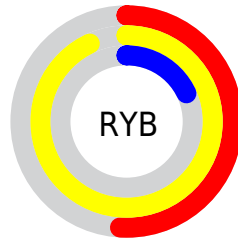
The YUV color **180.4080, -65.7701, 48.7542** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **102.5920, 65.7701, -48.7542**, and the grayscale version is **181.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **224.8720, -59.5899, 26.4223**, and **126.2870, -62.2595, 42.7213** is the 20% darker color. If you saturate the color by 10%, you get **173.5630, -74.2276, 54.7572**, and if you desaturate by 10%, it is **187.2530, -57.3127, 42.7511**.

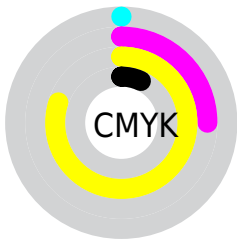
Distribution



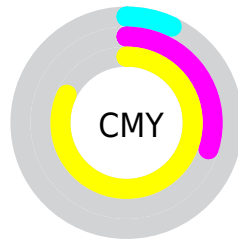
- Red (93%)
- Green (70%)
- Blue (18%)



- Red (51%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (7%)



- Cyan (7%)
- Magenta (30%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YUV color 180.4080, -65.7701, 48.7542 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 YUV color 180.4080, -65.7701, 48.7542 by changing the saturation by 10% instead.

180.4080,
-65.7701, 48.7542

180.4080,
-65.7701, 48.7542

255.0000, 0.0000,
0.0000

150.5020,
-71.7325, 47.7947

224.8720,
-59.5899, 26.4223

126.2870,
-62.2595, 42.7213

240.9780,
-53.7262, 12.2973

102.9410,
-50.7499, 37.7627

244.1700,
-41.4958, 9.4979

80.1820, -39.5297,
32.2894

247.3620,
-29.2655, 6.6985

58.5970, -28.8883,
25.7864

250.6680,
-16.5983, 3.7992

37.6100, -18.5417,
20.5130

253.9740, -3.9312,

18.3950, -9.0687,

0.8998

15.4396

■ 0.0000, 0.0000,
0.0000

■ 180.4080,
-65.7701, 48.7542

■ 180.4080,
-65.7701, 48.7542

■ 173.5630,
-74.2276, 54.7572

■ 187.2530,
-57.3127, 42.7511

■ 166.8320,
-82.2482, 60.6603

■ 193.9840,
-49.2921, 36.8480

■ 201.4160,
-41.1241, 30.3302

■ 208.1470,
-33.1035, 24.4271

■ 214.9920,
-24.6461, 18.4240

■ 221.8370,
-16.1886, 12.4210

■ 229.1550, -8.4574,
6.0031

■ 236.0000, 0.0000,
0.0000

■ 242.2750, 6.2734,
-5.5032

Harmonies

Analogous

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



175.2730, -44.0116, 69.9206



180.4080, -65.7701, 48.7542



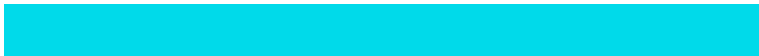
174.7070, -59.5086, 0.2570

Triad

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



180.4080, -65.7701, 48.7542



154.6420, 39.1235, -135.6210



190.9840, 31.5599, 50.8800

Complementary

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



180.4080, -65.7701, 48.7542



102.5920, 65.7701, -48.7542

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.



179.9120, 37.0184, -20.0938



180.4080, -65.7701, 48.7542



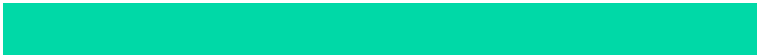
154.1010, 49.7432, -135.1466

Square

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



180.4080, -65.7701, 48.7542



146.4170, 10.1474, -128.4077



146.4700, 53.5053, -128.4542



175.0930, 16.2232, 70.0784

Rectangle

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



180.4080, -65.7701, 48.7542



169.0470, -41.9282, -38.6292



146.4700, 53.5053, -128.4542



189.3790, 32.3512, 30.3626

Sweetspot

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



180.4080, -65.7701, 48.7542



236.8930, -21.1462, 15.8798



110.3510, -1.6520, 110.1942



116.7380, -12.6888, 9.8768



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.



180.4080, -65.7701, 48.7542



183.0450, -85.3112, 63.1045



203.9890, -77.3956, -2.6214



113.9850, -3.9366, 2.6442



127.4940, -62.8545, 46.9248



37.8650, -18.6674, 14.1504

Inverse Universe

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



102.5920, 65.7701, -48.7542



81.9550, 85.3112, -63.1045



79.0110, 77.3956, 2.6214



109.0150, 3.9366, -2.6442



53.5060, 62.8545, -46.9248



15.5480, 18.9568, -13.6356

Previews

White Background



This preview shows how the YUV color 180.4080, -65.7701, 48.7542 looks on a white 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

Black Background



This preview shows how the YUV color 180.4080, -65.7701, 48.7542 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 ✓ Pass

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

YUV 180.4080, -65.7701, 48.7542 Background



This preview shows how black text looks on a background with the YUV color 180.4080, -65.7701, 48.7542.



This preview shows how white text looks on a background with the YUV color 180.4080, -65.7701, 48.7542.

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

180.4080, -65.7701, 48.7542

Protanopia

179.1450, -63.6685, 27.9368

Deuteranopia

180.4080, -65.7701, 48.7542



Tritanopia

190.8040, -5.8194, 46.6529

Trichromacy



Original Color

180.4080, -65.7701, 48.7542

Protanomaly

179.3740, -64.2744, 35.6290

Deuteranomaly

180.4080, -65.7701, 48.7542

Tritanomaly

186.7830, -27.5010, 47.5483

Monochromacy



Original Color

180.4080, -65.7701, 48.7542

Achromatopsia

180.0000, 0.0000, 0.0000

Achromatomaly

179.9210, -23.6251, 17.6093

CSS Examples

Text

The CSS property to change the color of the text to YUV 180.4080, -65.7701, 48.7542 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, 178, 47)` looks like.

```
.text, #text, p{  
    color:rgb(236, 178, 47)  
}
```

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, 178, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 178, 47) }
```

Border

The CSS property to change the border of an element to YUV 180.4080, -65.7701, 48.7542 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, 178, 47) }
```


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

```
.border{ border-color:rgb(236, 178, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 178, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 178, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 178, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 178,  
47) }
```

Background

The CSS property to change the background color of an element to YUV 180.4080, -65.7701, 48.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 178, 47) }
```

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

```
.background{ background-color: rgb(236,  
178, 47) }
```

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