

# Converting Colors

YUV(240.2150, 7.2890, -4.5736)

Have a look what the booklet for  
YUV(240.2150, 7.2890, -4.5736)  
contains.

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# Color

**YUV(240.2150, 7.2890,  
-4.5736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF0FF
RGB	235, 240, 255
RGB Percent	92%, 94%, 100%
CMY	0.0784, 0.0588, 0.0000
CMYK	0.08, 0.06, 0.00, 0.00
HSL	225°, 100%, 96%
HSV	225°, 8%, 100%
XYZ	83.4710, 87.2023, 107.0401
YIQ	240.2150, -7.7950, 3.6050

# Conversions

## Conversions Part 2

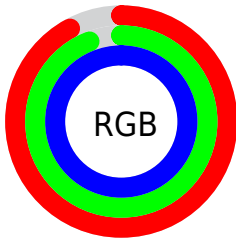
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 239, 255
Decimal	15462655
CIE Lab	94.82, 1.13, -7.79
CIE LCh	95, 7.870, 278.230
Yxy	87.2023, 0.3006, 0.3140
Android (android.graphics.Color)	4293652735 (0xFFEBF0FF)
YUV	240.2150, 7.2890, -4.5736
Hunter-Lab	93.3822, -3.8640, -2.5941

# Details

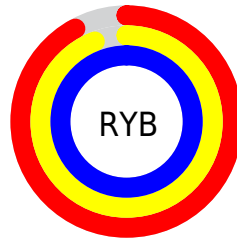
The YUV color `240.2150, 7.2890, -4.5736` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `249.7850, -7.2890, 4.5736`, and the grayscale version is `240.0000, 0.0000, 0.0000`.

A 20% lighter version of the original color is `255.0000, 0.0000, 0.0000`, and `184.1010, 6.8522, -4.4736` is the 20% darker color. If you saturate the color by 10%, you get `221.5870, 16.4726, -10.1618`, and if you desaturate by 10%, it is `255.0000, 0.0000, 0.0000`.

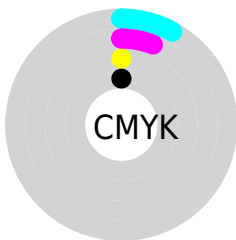
# Distribution



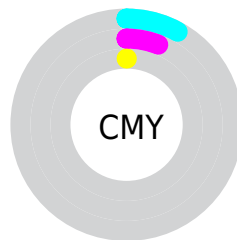
- Red (92%)
- Green (94%)
- Blue (100%)



- Red (92%)
- Yellow (94%)
- Blue (100%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 240.2150, 7.2890, -4.5736 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 240.2150, 7.2890, -4.5736 by changing the saturation by 10% instead.



240.2150, 7.2890,  
-4.5736

240.2150, 7.2890,  
-4.5736

255.0000, 0.0000,  
0.0000

212.1010, 6.8522,  
-4.4736

184.1010, 6.8522,  
-4.4736

157.1010, 6.8522,  
-4.4736

131.1010, 6.8522,  
-4.4736

105.9870, 6.4154,  
-4.3736

81.8730, 5.9786,  
-4.2736

58.8730, 5.9786,

-4.2736

■ 37.0580, 5.3944,  
-3.5589

■ 15.7590, 5.5418,  
-4.1736

■ 240.2150, 7.2890,  
-4.5736

■ 240.2150, 7.2890,  
-4.5736

■ 221.5870, 16.4726,  
-10.1618

255.0000, 0.0000,  
0.0000

■ 202.6600, 25.8036,  
-16.3648

■ 183.7330, 35.1346,  
-22.5678

■ 165.1050, 44.3182,  
-28.1561

■ 145.5910, 53.9386,  
-33.8443

■ 126.9630, 63.1222,  
-39.4326

■ 108.3350, 72.3058,  
-45.0208

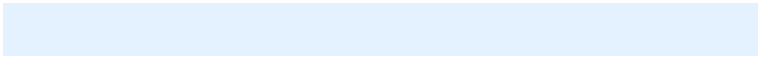
■ 89.4080, 81.6369,  
-51.2238

■ 70.7800, 90.8205,  
-56.8121

# Harmonies

## Analogous

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



238.8830, 7.4527, -10.4214



240.2150, 7.2890, -4.5736



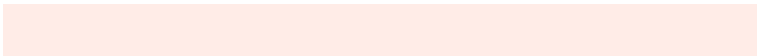
241.3900, 5.2307, 2.2890

# Triad

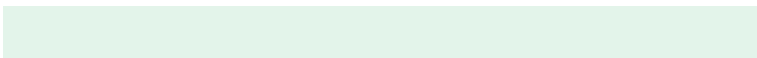
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



240.2150, 7.2890, -4.5736



241.1110, -4.9847, 12.1807



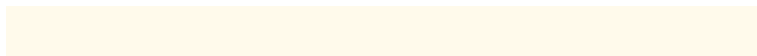
237.7770, -1.8621, -9.4514

# Complementary

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



240.2150, 7.2890, -4.5736



249.7850, -7.2890, 4.5736

# Split Complementary

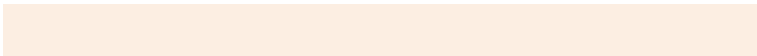
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



239.1970, -5.5201, -2.8038



240.2150, 7.2890, -4.5736



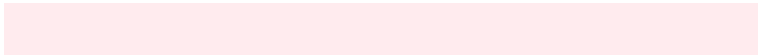
240.8180, -7.3053, 9.8066

# Square

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



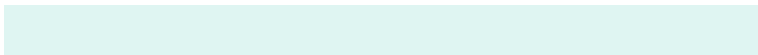
240.2150, 7.2890, -4.5736



241.3220, -1.6377, 11.9956



239.4860, -7.1416, 3.9588



238.0800, 1.9326, -13.2252



# Rectangle

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



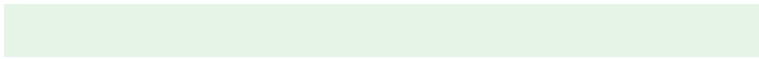
240.2150, 7.2890, -4.5736



241.5540, 3.1779, 7.4071



239.4860, -7.1416, 3.9588



238.4460, -3.1779, -7.4071

# Sweetspot

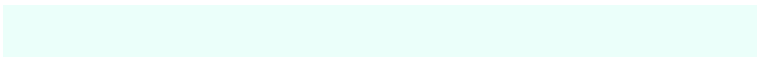
The Sweet Spot groups the original color and five complimentary colors.



240.2150, 7.2890, -4.5736



251.1570, 1.8946, -1.0147



248.4500, 0.7642, -11.7956



125.9290, 1.0210, -0.8147



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.



240.2150, 7.2890, -4.5736



238.1440, 8.3100, -5.3883



238.7750, 7.9989, 1.0743



118.2430, 4.8102, -2.8441



49.9500, 69.5376, -43.8062



16.6880, 23.3248, -14.6354



# Inverse Universe

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



241.5500, -0.7642, 11.7956



239.5610, -0.7696, 13.5400



251.2250, -7.9989, -1.0743



119.2290, -0.6059, 7.6922



62.5810, -7.1884, 112.6235

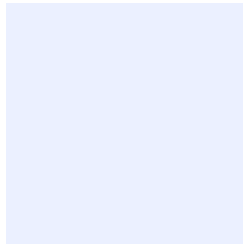


20.9600, -2.4453, 37.7461



# Previews

## White Background



This preview shows how the YUV color 240.2150, 7.2890, -4.5736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

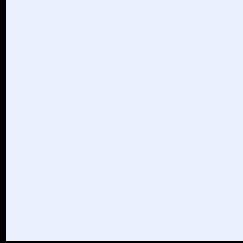
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 240.2150, 7.2890, -4.5736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

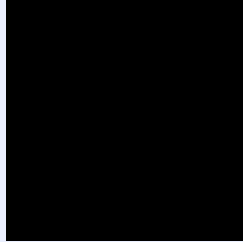
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 240.2150, 7.2890, -4.5736

## Background



This preview shows how black text looks on a background with the YUV color 240.2150, 7.2890, -4.5736.



This preview shows how white text looks on a background with the YUV color 240.2150, 7.2890, -4.5736.

-4.5736.

# 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

240.2150, 7.2890, -4.5736

### Protanopia

241.0090, 6.4046, -0.8849

### Deuteranopia

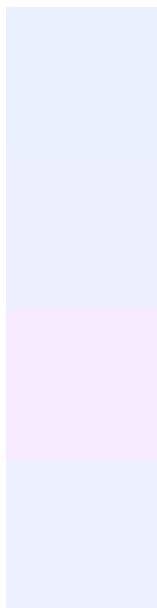
242.3740, 6.2246, 10.1960



## **Tritanopia**

240.5140, 7.1416, -3.9588

# Trichromacy



## Original Color

240.2150, 7.2890, -4.5736

## Protanomaly

240.4110, 6.6994, -2.1144

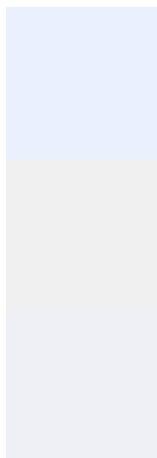
## Deuteranomaly

241.4550, 6.6777, 4.8630

## Tritanomaly

240.5140, 7.1416, -3.9588

# Monochromacy



## Original Color

240.2150, 7.2890, -4.5736

## Achromatopsia

240.0000, 0.0000, 0.0000

## Achromatomaly

239.9720, 2.4788, -1.7294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 240.2150, 7.2890, -4.5736 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(235, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 255)  
}
```

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(235, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 255) }
```

## Border

The CSS property to change the border of an element to YUV 240.2150, 7.2890, -4.5736 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(235, 240, 255) }
```



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

```
.border{ border-color:rgb(235, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 240.2150, 7.2890, -4.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 255) }
```

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

```
.background{ background-color: rgb(235,  
240, 255) }
```

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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