

# Converting Colors

XYZ(72.0738, 78.4244, 26.0906)

Have a look what the booklet for  
XYZ(72.0738, 78.4244, 26.0906)  
contains.

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# **Color**

**XYZ(72.0738, 78.4244,  
26.0906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE56E
RGB	255, 229, 110
RGB Percent	100%, 90%, 43%
CMY	0.0000, 0.1019, 0.5686
CMYK	0.00, 0.10, 0.57, 0.00
HSL	49°, 100%, 72%
HSV	49°, 57%, 100%
XYZ	72.0738, 78.4244, 26.0906
YIQ	223.2080, 53.6950, -31.4970

# Conversions

## Conversions Part 2

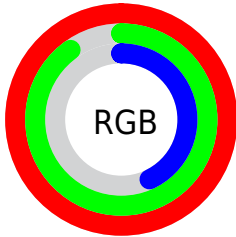
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 255, 110
Decimal	16770414
CIE <sub>Lab</sub>	90.97, -5.14, 60.21
CIE <sub>LCh</sub>	91, 60.432, 94.881
Y <sub>xy</sub>	78.4244, 0.4081, 0.4441
Android (android.graphics.Color)	4294960494 (0xFFFFE56E)
Y <sub>UV</sub>	223.2080, -55.8115, 27.8816
Hunter-Lab	88.5576, -9.7010, 44.5224

# Details

The XYZ color **72.0738, 78.4244, 26.0906** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.2844, 28.1425, 98.2851**, and the grayscale version is **70.6467, 74.3258, 80.9408**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **38.3555, 42.1597, 9.8575** is the 20% darker color. If you saturate the color by 10%, you get **69.6327, 75.4536, 19.3852**, and if you desaturate by 10%, it is **74.9513, 81.6290, 34.9136**.

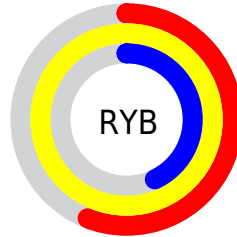
# Distribution



Red (100%)

Green (90%)

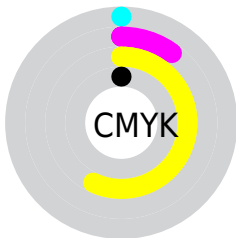
Blue (43%)



Red (56%)

Yellow (100%)

Blue (43%)

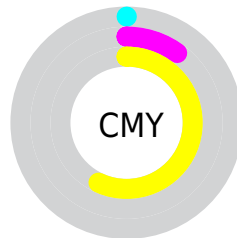


Cyan (0%)

Magenta (10%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0738, 78.4244, 26.0906 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 XYZ color 72.0738, 78.4244, 26.0906 by changing the saturation by 10% instead.





 72.0738, 78.4244,  
26.0906


 72.0738, 78.4244,  
26.0906


456.9521,  
489.6069, 296.8462


 53.5046, 58.4227,  
16.6651


 121.1717,  
131.1482, 54.4069

 38.4349, 42.1485,  
9.8365


 152.4311,  
164.6391, 74.1348

 26.4991, 29.2176,  
5.1865


 188.6514,  
203.3952, 98.1339

 17.3320, 19.2455,  
2.2965

230.1978,  
247.8008, 126.8227

 10.5683, 11.8478,  
0.7292

277.4357,  
298.2404, 160.6198

 5.8425, 6.6401,  
0.0000

330.7305,

 2.7893, 3.2381,

355.0984, 199.9437

0.0000

390.4475,  
418.7591, 245.2130

■ 1.0433, 1.2573,  
0.0000

■ 0.0000, 0.1077,  
0.0000

■ 72.0738, 78.4244,  
26.0906

■ 72.0738, 78.4244,  
26.0906

■ 69.6327, 75.4536,  
19.3852

■ 74.9513, 81.6290,  
34.9136

■ 67.5869, 72.6908,  
14.6067

■ 78.2912, 85.0692,  
46.0134

■ 65.8965, 70.1227,  
11.5380

■ 82.1234, 88.7606,  
59.5396

■ 64.5088, 67.7278,  
9.9026

■ 86.4740, 92.7137,  
75.6274

■ 64.1107, 67.0017,  
9.5536

■ 91.3670, 96.9386,  
94.4023

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

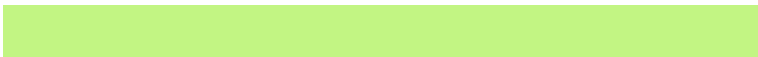
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6862, 78.4244, 29.7089



72.0738, 78.4244, 26.0906



59.0041, 78.4244, 33.3840

# Triad

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



72.0738, 78.4244, 26.0906



52.9897, 78.4244, 142.9490



104.3503, 78.4244, 126.2070

# Complementary

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



72.0738, 78.4244, 26.0906



33.2844, 28.1425, 98.2851

# 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.



92.5885, 78.4244, 174.4135



72.0738, 78.4244, 26.0906



62.7782, 78.4244, 186.1662

# Square

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



72.0738, 78.4244, 26.0906



48.9855, 78.4244, 92.7343



77.0619, 78.4244, 199.2978



107.7215, 78.4244, 78.4456

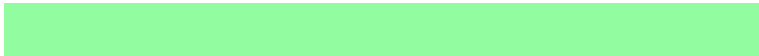


# Rectangle

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



72.0738, 78.4244, 26.0906



53.0451, 78.4244, 45.6342



77.0619, 78.4244, 199.2978



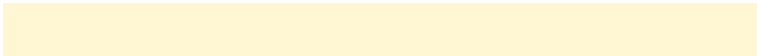
101.1750, 78.4244, 143.3507

# Sweetspot

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



72.0757, 78.4281, 26.0922



86.4103, 92.6574, 75.3865



51.3019, 34.2068, 27.4102



18.2994, 19.6581, 15.4003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



72.0757, 78.4281, 26.0922



69.3807, 75.1289, 18.7476



64.8928, 86.2132, 27.9734



19.2680, 20.5041, 19.0865



33.5999, 35.2110, 5.0255



3.3405, 3.5664, 0.5123



# Inverse Universe

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



33.2844, 28.1425, 98.2851



27.3650, 20.7360, 97.1679



37.3208, 25.4324, 97.5493



17.2663, 17.9042, 22.7958



10.0117, 4.9330, 49.8591



1.0430, 0.6166, 4.8773



# Previews

## White Background



This preview shows how the XYZ color 72.0738, 78.4244, 26.0906 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 XYZ color 72.0738, 78.4244, 26.0906 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](#).

**XYZ 72.0738, 78.4244, 26.0906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0738, 78.4244, 26.0906.



This preview shows how white text looks on a background with the XYZ color 72.0738, 78.4244,



# 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

72.0738, 78.4244, 26.0906

### Protanopia

71.7068, 78.2352, 26.0734

### Deuteranopia

76.8653, 78.1592, 58.0487



## Tritanopia

81.2570, 78.2159, 86.4158

# Trichromacy



## Original Color

72.0738, 78.4244, 26.0906

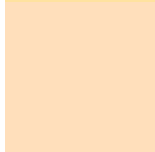
## Protanomaly

71.7068, 78.2352, 26.0734



## Deuteranomaly

74.6944, 78.1559, 43.9497



## Tritanomaly

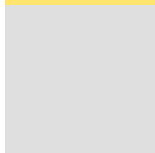
76.5973, 77.6232, 57.9594

# Monochromacy



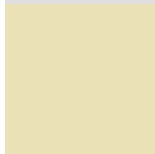
## Original Color

72.0738, 78.4244, 26.0906



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

69.6297, 74.8900, 55.0413

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0738, 78.4244, 26.0906 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(255, 229, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 110)  
}
```

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(255, 229, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0738, 78.4244, 26.0906 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(255, 229, 110) }
```



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

```
.border{ border-color:rgb(255, 229, 110) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0738, 78.4244, 26.0906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 110) }
```

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

```
.background{ background-color: rgb(255,  
229, 110) }
```

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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