

# Converting Colors

XYZ(58.4514, 73.8645, 28.1480)

Have a look what the booklet for  
XYZ(58.4514, 73.8645, 28.1480)  
contains.

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# Color

**XYZ(58.3728, 73.8228,  
28.0023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C <sup>E</sup> E <sup>B</sup> 7 <sup>5</sup>
RGB	206, 235, 117
RGB Percent	81%, 92%, 46%
CMY	0.1922, 0.0784, 0.5412
CMYK	0.12, 0.00, 0.50, 0.08
HSL	75°, 75%, 69%
HSV	75°, 50%, 92%
XYZ	58.3728, 73.8228, 28.0023
YIQ	212.8770, 20.5940, -42.8460

# Conversions

## Conversions Part 2

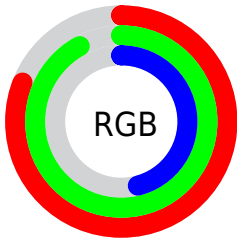
Format	Color
<a href="#">RYB</a>	<a href="#">117, 235, 146</a>
Decimal	<a href="#">13560693</a>
CIELab	<a href="#">88.84, -26.89, 53.57</a>
CIELCh	<a href="#">89, 59.938, 116.651</a>
Yxy	<a href="#">73.8228, 0.3644, 0.4608</a>
Android (android.graphics.Color)	<a href="#">4291750773 (0xFFCEE75)</a>
YUV	<a href="#">212.8770, -47.2674, -6.0311</a>
Hunter-Lab	<a href="#">85.9202, -29.0903, 40.8209</a>

# Details

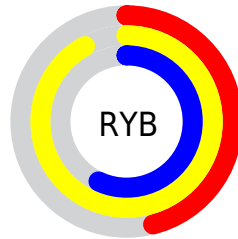
The XYZ color **58.3728, 73.8228, 28.0023** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.2136, 24.8337, 81.6444**, and the grayscale version is **63.4617, 66.7666, 72.7088**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **29.6232, 39.0944, 10.8352** is the 20% darker color. If you saturate the color by 10%, you get **55.5872, 72.5293, 21.5429**, and if you desaturate by 10%, it is **61.5678, 75.2921, 36.2941**.

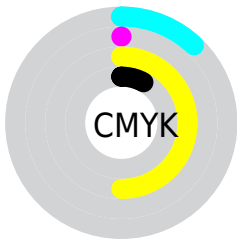
# Distribution



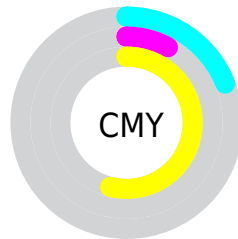
- Red (81%)
- Green (92%)
- Blue (46%)



- Red (46%)
- Yellow (92%)
- Blue (57%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)




- Cyan (19%)
- Magenta (8%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3728, 73.8228, 28.0023 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 58.3728, 73.8228, 28.0023 by changing the saturation by 10% instead.





 58.3728, 73.8228,  
28.0023

 58.3728, 73.8228,  
28.0023


408.5051,  
473.8616, 306.3902


 42.3529, 54.6490,  
18.0883


 101.5854,  
124.6446, 57.5113

 29.5700, 39.1208,  
10.8433


 129.5087,  
157.0614, 77.9433

 19.6589, 26.8537,  
5.8487


 162.1306,  
194.6613, 102.7185

 12.2541, 17.4634,  
2.6860

199.8164,  
237.8287, 132.2554

 6.9904, 10.5654,  
0.9364

242.9313,  
286.9481, 166.9724

 3.5024, 5.7754,  
0.0000

291.8409,

 1.4247, 2.7090,

342.4037, 207.2882

0.0000

346.9104,  
404.5801, 253.6213

0.2737, 0.9818,  
0.0000

0.0000, 0.0000,  
0.0000

58.3728, 73.8228,  
28.0023

58.3728, 73.8228,  
28.0023

55.5872, 72.5293,  
21.5429

61.5678, 75.2921,  
36.2941

53.1784, 71.3906,  
16.7717


65.1911, 76.9370,  
46.5385


51.1175, 70.3978,  
13.5309


69.2669, 78.7698,  
58.8510


49.3677, 69.5360,  
11.6305


73.8155, 80.7988,  
73.3370

 47.8960, 68.7952,  
10.7544

 78.8564, 83.0318,  
90.0943

 83.9194, 85.2808,  
106.6456

 85.9191, 86.3117,  
106.7391

 87.9819, 87.3751,  
106.8357

 88.9999, 87.8999,  
106.8833

# Harmonies

## Analogous

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



71.8099, 73.8228, 24.0642



58.3728, 73.8228, 28.0023



49.3321, 73.8228, 43.9491

# Triad

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



58.3728, 73.8228, 28.0023



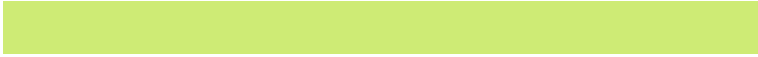
55.9097, 73.8228, 167.3858



101.8925, 73.8228, 85.1422

# Complementary

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



58.3728, 73.8228, 28.0023



33.2136, 24.8337, 81.6444

# 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.



96.1688, 73.8228, 132.8377



58.3728, 73.8228, 28.0023



68.5481, 73.8228, 189.5456

# Square

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



58.3728, 73.8228, 28.0023



48.0538, 73.8228, 121.8475



83.4502, 73.8228, 175.1185



98.1952, 73.8228, 49.5834



# Rectangle

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



58.3728, 73.8228, 28.0023



46.3555, 73.8228, 63.2966



83.4502, 73.8228, 175.1185



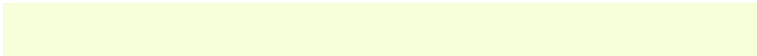
100.9890, 73.8228, 100.2911

# Sweetspot

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



58.3746, 73.8261, 28.0039



86.1170, 96.0369, 79.4734



47.5287, 39.0572, 21.8644



18.1869, 20.4462, 16.2316



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.



58.3746, 73.8261, 28.0039



66.8901, 87.2911, 25.8938



45.2191, 67.0442, 27.3882



15.9693, 17.4297, 16.0413



26.7764, 38.3482, 5.9907



2.1885, 3.0556, 0.4744



# Inverse Universe

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



33.2136, 24.8337, 81.6444



33.5507, 22.2642, 97.1369



46.1334, 31.4941, 82.2490



14.5780, 14.7277, 18.9966



9.4061, 3.8849, 43.9971



0.8237, 0.3489, 3.4588



# Previews

## White Background



This preview shows how the XYZ color 58.3728, 73.8228, 28.0023 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 58.3728, 73.8228, 28.0023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

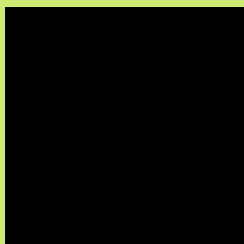
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3728, 73.8228, 28.0023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3728, 73.8228, 28.0023.



This preview shows how white text looks on a background with the XYZ color 58.3728, 73.8228,



# 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

58.3728, 73.8228, 28.0023

### Protanopia

67.3743, 73.5604, 26.2704

### Deuteranopia

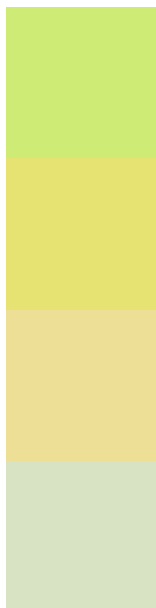
72.8637, 73.1989, 47.3343



## Tritanopia

71.5201, 73.8467, 92.1457

# Trichromacy



## Original Color

58.3728, 73.8228, 28.0023

## Protanomaly

63.4613, 73.1420, 26.6926

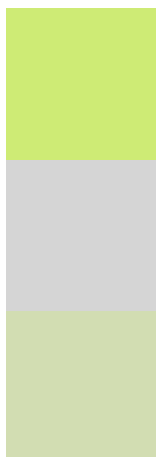
## Deuteranomaly

66.7375, 72.9498, 38.9970

## Tritanomaly

65.6383, 73.4772, 62.3528

# Monochromacy



## Original Color

58.3728, 73.8228, 28.0023

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

60.4707, 68.6289, 52.1790

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3728, 73.8228, 28.0023 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(206, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(206, 235, 117)  
}
```

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(206, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3728, 73.8228, 28.0023 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(206, 235, 117) }
```



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

```
.border{ border-color:rgb(206, 235, 117) }
```

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

Here you see how a box with a 4 pixel rgb(206, 235, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3728, 73.8228, 28.0023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 117) }
```

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

```
.background{ background-color: rgb(206,  
235, 117) }
```

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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