

# Converting Colors

XYZ(60.1379, 72.4295, 26.7117)

Have a look what the booklet for  
XYZ(60.1379, 72.4295, 26.7117)  
contains.

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# Color

**XYZ(59.9700, 72.1590,  
26.6869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE572
RGB	218, 229, 114
RGB Percent	85%, 90%, 45%
CMY	0.1451, 0.1019, 0.5529
CMYK	0.05, 0.00, 0.50, 0.10
HSL	66°, 69%, 67%
HSV	66°, 50%, 90%
XYZ	59.9700, 72.1590, 26.6869
YIQ	212.6010, 30.3590, -38.0970

# Conversions

## Conversions Part 2

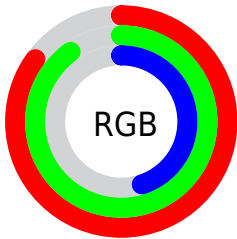
Format	Color
<a href="#">RYB</a>	<a href="#">114, 229, 125</a>
Decimal	<a href="#">14345586</a>
CIELab	<a href="#">88.05, -19.62, 54.23</a>
CIELCh	<a href="#">88, 57.667, 109.895</a>
Yxy	<a href="#">72.1590, 0.3776, 0.4544</a>
Android (android.graphics.Color)	<a href="#">4292535666</a> ( <a href="#">0xFFDAE572</a> )
YUV	<a href="#">212.6010, -48.6103, 4.7349</a>
Hunter-Lab	<a href="#">84.9465, -22.6399, 40.8359</a>

# Details

The XYZ color **59.9700, 72.1590, 26.6869** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.6202, 22.0535, 76.8814**, and the grayscale version is **63.2810, 66.5766, 72.5019**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **30.6763, 38.1861, 10.1687** is the 20% darker color. If you saturate the color by 10%, you get **58.1759, 71.3687, 20.6301**, and if you desaturate by 10%, it is **62.1026, 73.0908, 34.4655**.

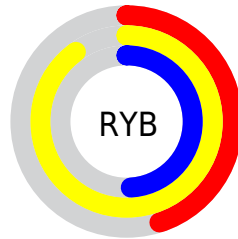
# Distribution



Red (85%)

Green (90%)

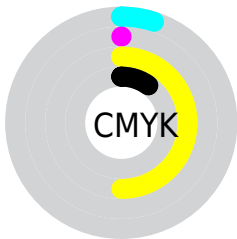
Blue (45%)



Red (45%)

Yellow (90%)

Blue (49%)

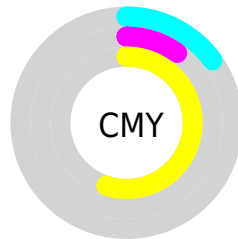


Cyan (5%)

Magenta (0%)

Yellow (50%)

Black (10%)



Cyan (15%)

Magenta (10%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9700, 72.1590, 26.6869 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 59.9700, 72.1590, 26.6869 by changing the saturation by 10% instead.



■ 59.9700, 72.1590,  
26.6869

■ 59.9700, 72.1590,  
26.6869

414.3237,  
468.0948, 299.8500

■ 43.6438, 53.2886,  
17.1079

■ 103.8927,  
122.2826, 55.3786

■ 30.5873, 38.0332,  
10.1487

■ 132.2200,  
154.3045, 75.3284

■ 20.4351, 26.0084,  
5.3907

■ 165.2784,  
191.4790, 99.5722

■ 12.8218, 16.8300,  
2.4156

203.4331,  
234.1906, 128.5285

■ 7.3821, 10.1133,  
0.7949

247.0497,  
282.8235, 162.6159

■ 3.7506, 5.4742,  
0.0000

296.4934,

■ 1.5620, 2.5281,

337.7623, 202.2530

0.0000

352.1296,  
399.3913, 247.8581

0.3675, 0.8906,  
0.0000

0.0000, 0.0000,  
0.0000

59.9700, 72.1590,  
26.6869

59.9700, 72.1590,  
26.6869

58.1759, 71.3687,  
20.6301

62.1026, 73.0908,  
34.4655

56.6902, 70.7002,  
16.1598


64.5907, 74.1633,  
44.0787


55.4862, 70.1454,  
13.1281

67.4564, 75.3879,  
55.6349

54.5301, 69.6907,  
11.3571

70.7186, 76.7720,  
69.2328


 53.7779, 69.3201,  
10.5457

 74.3947, 78.3227,  
84.9645

 78.5012, 80.0465,  
102.9164

 79.7869, 80.6431,  
105.9682

 80.5083, 81.0150,  
106.0020

 81.2386, 81.3915,  
106.0361

# Harmonies

## Analogous

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



73.3325, 72.1590, 25.0906



59.9700, 72.1590, 26.6869



50.2739, 72.1590, 39.1680

# Triad

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



59.9700, 72.1590, 26.6869



52.9143, 72.1590, 151.9407



98.0680, 72.1590, 92.6273

# Complementary

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



59.9700, 72.1590, 26.6869



28.6202, 22.0535, 76.8814

# 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.



90.8764, 72.1590, 138.1858



59.9700, 72.1590, 26.6869



64.0469, 72.1590, 179.2626

# Square

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



59.9700, 72.1590, 26.6869



46.5937, 72.1590, 107.2767



77.9878, 72.1590, 173.5248



96.5923, 72.1590, 55.5022



# Rectangle

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



59.9700, 72.1590, 26.6869



46.6194, 72.1590, 55.2951



77.9878, 72.1590, 173.5248



96.5505, 72.1590, 107.5989

# Sweetspot

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



59.9717, 72.1623, 26.6884



88.1579, 97.0890, 79.5689



42.5084, 32.1859, 19.8926



18.6827, 20.7018, 16.2548



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.



59.9717, 72.1623, 26.6884



74.2148, 91.0671, 26.2366



45.9427, 64.9300, 26.0319



15.4585, 16.7434, 15.3215



30.8021, 39.6605, 6.0318



2.3159, 2.9513, 0.4476



# Inverse Universe

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



28.6202, 22.0535, 76.8814



30.0896, 20.4800, 96.9749



39.2381, 27.5272, 77.3784



13.7101, 13.9528, 18.1149



8.3189, 3.3544, 42.5922



0.6586, 0.2705, 3.1495



# Previews

## White Background



This preview shows how the XYZ color 59.9700, 72.1590, 26.6869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

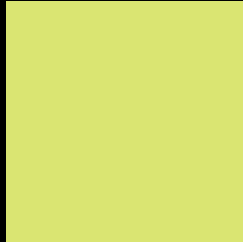
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9700, 72.1590, 26.6869 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 59.9700, 72.1590, 26.6869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9700, 72.1590, 26.6869.



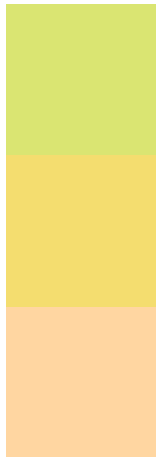
This preview shows how white text looks on a background with the XYZ color 59.9700, 72.1590,



# 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

59.9700, 72.1590, 26.6869

### Protanopia

66.0339, 72.0937, 25.4740

### Deuteranopia

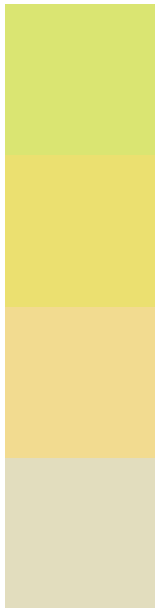
71.7196, 71.9263, 43.8214



## Tritanopia

72.2188, 71.9839, 87.1787

# Trichromacy



## Original Color

59.9700, 72.1590, 26.6869

## Protanomaly

63.8412, 72.1433, 25.8895

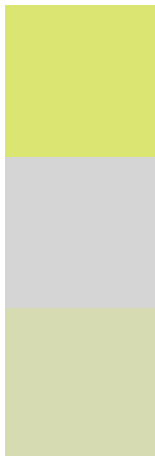
## Deuteranomaly

66.9835, 71.5539, 36.6664

## Tritanomaly

66.5147, 71.5994, 59.0296

# Monochromacy



## Original Color

59.9700, 72.1590, 26.6869

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

61.2917, 68.2844, 51.5448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9700, 72.1590, 26.6869 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(218, 229, 114)` looks like.

```
.text, #text, p{  
    color:rgb(218, 229, 114)  
}
```

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(218, 229, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 229, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9700, 72.1590, 26.6869 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(218, 229, 114) }
```



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

```
.border{ border-color:rgb(218, 229, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 229, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 229, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 229, 114);  
box-shadow:4px 4px 4px 4px rgb(218, 229,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9700, 72.1590, 26.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 229, 114) }
```

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

```
.background{ background-color: rgb(218,  
229, 114) }
```

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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