

# Converting Colors

XYZ(59.9524, 72.8918, 22.3036)

Have a look what the booklet for  
XYZ(59.9524, 72.8918, 22.3036)  
contains.

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# Color

**XYZ(59.9470, 73.0750,  
22.2546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE761
RGB	219, 231, 97
RGB Percent	86%, 91%, 38%
CMY	0.1412, 0.0941, 0.6196
CMYK	0.05, 0.00, 0.58, 0.09
HSL	65°, 74%, 64%
HSV	65°, 58%, 91%
XYZ	59.9470, 73.0750, 22.2546
YIQ	212.1360, 35.8620, -44.2180

# Conversions

## Conversions Part 2

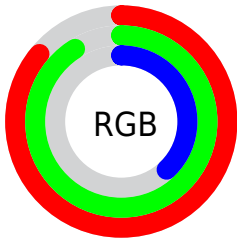
Format	Color
R <sub>Y</sub> B	97, 231, 109
Decimal	14411617
CIE Lab	88.48, -21.57, 62.33
CIE LCh	88, 65.960, 109.086
Yxy	73.0750, 0.3861, 0.4706
Android (android.graphics.Color)	4292601697 (0xFFDBE761)
YUV	212.1360, -56.7620, 6.0197
Hunter-Lab	85.4839, -24.4208, 44.4034

# Details

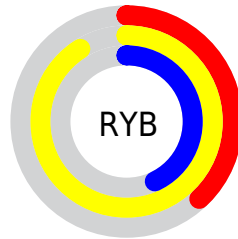
The XYZ color **59.9470, 73.0750, 22.2546** is a light color, and the websafe version is hex **CCCC33**. A complement of this color would be **25.0077, 17.5719, 77.6794**, and the grayscale version is **63.0205, 66.3025, 72.2034**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **30.6063, 38.7809, 7.8798** is the 20% darker color. If you saturate the color by 10%, you get **58.4048, 72.3893, 17.3558**, and if you desaturate by 10%, it is **61.8140, 73.8968, 28.8082**.

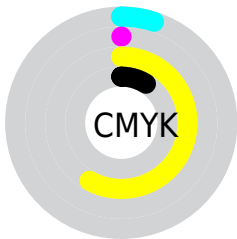
# Distribution



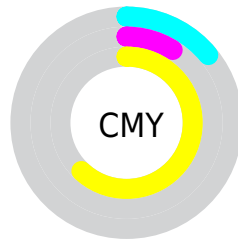
- Red (86%)
- Green (91%)
- Blue (38%)



- Red (38%)
- Yellow (91%)
- Blue (43%)



- Cyan (5%)
- Magenta (0%)
- Yellow (58%)
- Black (9%)



- Cyan (14%)
- Magenta (9%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9470, 73.0750, 22.2546 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 59.9470, 73.0750, 22.2546 by changing the saturation by 10% instead.




 59.9470, 73.0750,  
22.2546


 59.9470, 73.0750,  
22.2546


414.2403,  
471.2747, 276.8697


 43.6252, 54.0373,  
13.8440


 103.8596,  
123.5837, 48.0740


 30.5726, 38.6315,  
7.8747


 132.1811,  
155.8234, 66.3199

 20.4239, 26.4732,  
3.9283


 165.2331,  
193.2327, 88.6813

 12.8136, 17.1779,  
1.5861

 203.3812,  
236.1958, 115.5767

 7.3764, 10.3614,  
0.2809

246.9906,  
285.0971, 147.4247

 3.7470, 5.6393,  
0.0000


296.4267,


 1.5600, 2.6270,

340.3211, 184.6439


0.0000


352.0548,  
402.2522, 227.6527


 0.3661, 0.9403,  
0.0000


 0.0000, 0.0000,  
0.0000


 59.9470, 73.0750,  
22.2546


 59.9470, 73.0750,  
22.2546


 58.4048, 72.3893,  
17.3558


 61.8140, 73.8968,  
28.8082


 57.1540, 71.8184,  
13.9592


 64.0254, 74.8547,  
37.1421


 56.1634, 71.3524,  
11.8923


 66.6051, 75.9608,  
47.3750


 55.3867, 70.9729,  
10.9121


 69.5736, 77.2233,  
59.6144


 55.2437, 70.9021,  
10.7738

 72.9498, 78.6497,  
73.9592

 76.7511, 80.2472,  
90.5023

 80.3915, 81.7811,  
106.1560

 81.0731, 82.1325,  
106.1879

 81.7626, 82.4880,  
106.2202

# Harmonies

## Analogous

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



75.3952, 73.0750, 20.9041



59.9470, 73.0750, 22.2546



48.8521, 73.0750, 34.9553

# Triad

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



59.9470, 73.0750, 22.2546



51.3249, 73.0750, 165.5742



103.9369, 73.0750, 97.2874

# Complementary

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



59.9470, 73.0750, 22.2546



25.0077, 17.5719, 77.6794

# 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.



95.1640, 73.0750, 151.6294



59.9470, 73.0750, 22.2546



63.8364, 73.0750, 199.9365

# Square

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



59.9470, 73.0750, 22.2546



44.4234, 73.0750, 111.7032



79.9200, 73.0750, 194.0370



102.4712, 73.0750, 54.2726



# Rectangle

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



59.9470, 73.0750, 22.2546



44.6710, 73.0750, 52.2679



79.9200, 73.0750, 194.0370



102.0403, 73.0750, 115.0200

# Sweetspot

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



59.9487, 73.0783, 22.2561



87.4250, 96.7866, 76.1300



40.4954, 28.6143, 14.6990



18.5413, 20.6437, 15.5778



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.



59.9487, 73.0783, 22.2561



72.6807, 90.4006, 20.5474



43.8418, 64.7749, 21.5023



15.4676, 16.7481, 15.3219



31.0235, 39.7747, 6.0422



2.3300, 2.9585, 0.4483



# Inverse Universe

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



25.0077, 17.5719, 77.6794



25.1321, 14.7589, 96.1319



36.4175, 23.4538, 78.2134



13.7020, 13.9486, 18.1145



8.2998, 3.3446, 42.5913

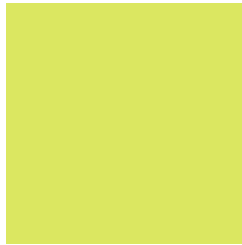


0.6547, 0.2685, 3.1493



# Previews

## White Background



This preview shows how the XYZ color 59.9470, 73.0750, 22.2546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

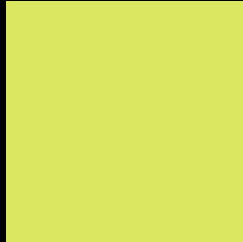
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9470, 73.0750, 22.2546 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 59.9470, 73.0750, 22.2546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9470, 73.0750, 22.2546.



This preview shows how white text looks on a background with the XYZ color 59.9470, 73.0750,



# 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

59.9470, 73.0750, 22.2546

### Protanopia

66.4994, 72.8249, 21.1414

### Deuteranopia

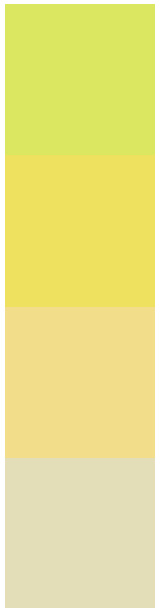
72.1513, 72.5052, 44.8425



## Tritanopia

73.2684, 72.8899, 88.0494

# Trichromacy



## Original Color

59.9470, 73.0750, 22.2546

## Protanomaly

63.9158, 72.6812, 21.4866

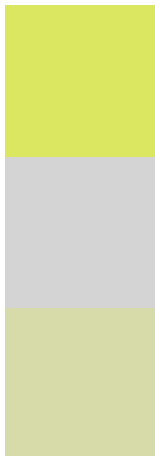
## Deuteranomaly

67.1346, 72.4542, 34.8728

## Tritanomaly

66.7679, 72.1972, 55.7638

# Monochromacy



## Original Color

59.9470, 73.0750, 22.2546

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.6115, 68.0124, 47.9633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9470, 73.0750, 22.2546 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(219, 231, 97)` looks like.

```
.text, #text, p{  
    color:rgb(219, 231, 97)  
}
```

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(219, 231, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 231, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9470, 73.0750, 22.2546 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(219, 231, 97) }
```



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

```
.border{ border-color:rgb(219, 231, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 231, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 231, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 231, 97);  
box-shadow:4px 4px 4px 4px rgb(219, 231,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9470, 73.0750, 22.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 231, 97) }
```

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

```
.background{ background-color: rgb(219,  
231, 97) }
```

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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