

Converting Colors

XYZ(62.5414, 85.1876, 19.4425)

Have a look what the booklet for
XYZ(62.5414, 85.1876, 19.4425)
contains.

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Color

**XYZ(62.4162, 85.1229,
19.4440)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFF49
RGB	206, 255, 73
RGB Percent	81%, 100%, 29%
CMY	0.1922, 0.0000, 0.7137
CMYK	0.19, 0.00, 0.71, 0.00
HSL	76°, 100%, 64%
HSV	76°, 71%, 100%
XYZ	62.4162, 85.1229, 19.4440
YIQ	219.6010, 29.2180, -66.9900

Conversions

Conversions Part 2

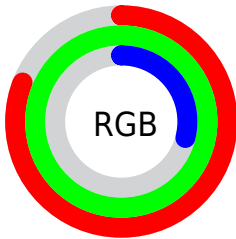
Format	Color
RYB	73, 255, 122
Decimal	13565769
CIELab	93.94, -39.26, 76.92
CIELCh	94, 86.360, 117.041
Yxy	85.1229, 0.3738, 0.5098
Android (android.graphics.Color)	4291755849 (0xFFCEFF49)
YUV	219.6010, -72.2743, -11.9281
Hunter-Lab	92.2621, -40.7016, 52.0882

Details

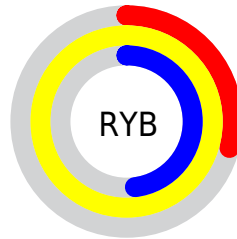
The XYZ color **62.4162, 85.1229, 19.4440** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **28.4601, 16.1241, 96.2200**, and the grayscale version is **68.2226, 71.7754, 78.1634**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **32.2267, 46.5912, 7.2945** is the 20% darker color. If you saturate the color by 10%, you get **59.8720, 83.8898, 15.7800**, and if you desaturate by 10%, it is **65.3901, 86.5374, 24.9381**.

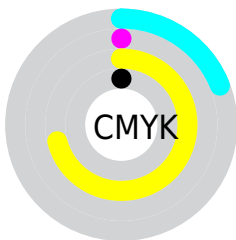
Distribution



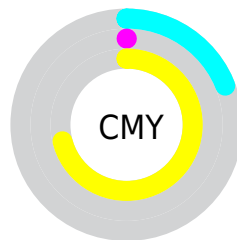
- Red (81%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (48%)



- Cyan (19%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4162, 85.1229, 19.4440 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 62.4162, 85.1229, 19.4440 by changing the saturation by 10% instead.


 62.4162, 85.1229,
19.4440


 62.4162, 85.1229,
19.4440


423.1410,
512.0347, 261.3930

 45.6260, 63.9429,
11.8115


 107.4134,
140.5449, 43.3297


 32.1541, 46.6045,
6.4945


 136.3510,
175.5557, 60.4199


 21.6354, 32.7231,
3.0744

 170.0685,
215.9455, 81.4998

 13.7043, 21.9144,
1.1328

 208.9312,
262.0989, 106.9879

 7.9956, 13.7940,
0.0000

 253.3044,
314.4000, 137.3027

 4.1439, 7.9775,
0.0000

303.5536,

 1.7839, 4.0806,

373.2335, 172.8628

0.0000

360.0440,
438.9835, 214.0867

■ 0.5079, 1.7187,
0.0000

■ 0.0000, 0.4357,
0.0000

■ 62.4162, 85.1229,
19.4440

■ 62.4162, 85.1229,
19.4440

■ 59.8720, 83.8898,
15.7800

■ 65.3901, 86.5374,
24.9381

■ 57.7110, 82.8194,
13.7035

■ 68.8323, 88.1491,
32.4576

■ 56.0931, 82.0021,
12.8716

■ 72.7768, 89.9715,
42.1768

■ 77.2539, 92.0170,
54.2502

■ 82.2913, 94.2966,
68.8184

■ 87.9145, 96.8207,
86.0110

■ 94.1474, 99.5991,
105.9485

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



83.2114, 85.1229, 15.0027



62.4162, 85.1229, 19.4440



49.1770, 85.1229, 39.4352

Triad

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



62.4162, 85.1229, 19.4440



59.1487, 85.1229, 244.7974



133.6109, 85.1229, 99.3779

Complementary

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



62.4162, 85.1229, 19.4440



28.4601, 16.1241, 96.2200

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.



123.9879, 85.1229, 180.1005



62.4162, 85.1229, 19.4440



78.6451, 85.1229, 285.4993

Square

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



62.4162, 85.1229, 19.4440



47.5569, 85.1229, 163.0345



102.7299, 85.1229, 257.5046



127.0474, 85.1229, 46.1951

Rectangle

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



62.4162, 85.1229, 19.4440



45.0013, 85.1229, 67.0793



102.7299, 85.1229, 257.5046



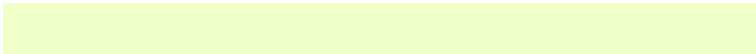
132.1249, 85.1229, 124.0945

Sweetspot

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



62.4162, 85.1229, 19.4452



82.4887, 94.3855, 69.4069



49.3458, 35.5471, 10.5649



17.3447, 20.0620, 13.9342



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.



62.4162, 85.1229, 19.4452



58.8271, 83.3752, 14.6377



44.0953, 75.6780, 18.5878



19.0561, 20.8304, 19.1606



29.4597, 42.9251, 6.7327



2.9726, 4.2332, 0.6604

Inverse Universe

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



28.4601, 16.1241, 96.2200



23.3647, 10.8829, 95.4769



47.7388, 26.0626, 97.1222



17.4618, 17.6143, 22.7295



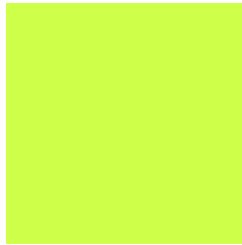
10.8217, 4.4893, 49.7307



1.1524, 0.4880, 4.8467

Previews

White Background



This preview shows how the XYZ color 62.4162, 85.1229, 19.4440 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 62.4162, 85.1229, 19.4440 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

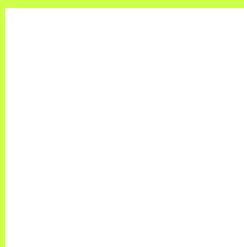
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.4162, 85.1229, 19.4440

Background



This preview shows how black text looks on a background with the XYZ color 62.4162, 85.1229, 19.4440.

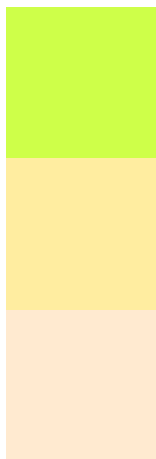


This preview shows how white text looks on a background with the XYZ color 62.4162, 85.1229,

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

62.4162, 85.1229, 19.4440

Protanopia

77.8694, 84.3664, 45.4379

Deuteranopia

82.0480, 84.6597, 71.6911



Tritanopia

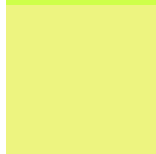
80.3031, 84.7000, 106.7240

Trichromacy



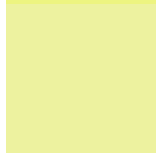
Original Color

62.4162, 85.1229, 19.4440



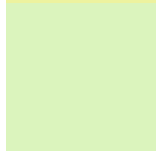
Protanomaly

71.1720, 84.2644, 32.9356



Deuteranomaly

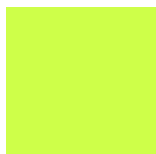
72.9352, 84.0120, 45.1727



Tritanomaly

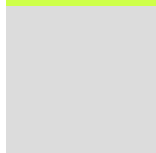
70.7494, 83.4356, 60.5199

Monochromacy



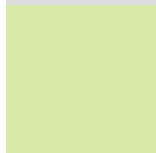
Original Color

62.4162, 85.1229, 19.4440



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.1383, 75.5149, 47.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4162, 85.1229, 19.4440 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, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 73)  
}
```

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, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 73) }
```

Border

The CSS property to change the border of an element to XYZ 62.4162, 85.1229, 19.4440 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, 255, 73) }
```


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

```
.border{ border-color:rgb(206, 255, 73) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4162, 85.1229, 19.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 73) }
```

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

```
.background{ background-color: rgb(206,  
255, 73) }
```

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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