

# Converting Colors

XYZ(62.6658, 79.5053, 29.2430)

Have a look what the booklet for  
XYZ(62.6658, 79.5053, 29.2430)  
contains.

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# Color

**XYZ(62.7612, 79.5553,  
29.1874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F376
RGB	213, 243, 118
RGB Percent	84%, 95%, 46%
CMY	0.1647, 0.0470, 0.5372
CMYK	0.12, 0.00, 0.51, 0.05
HSL	74°, 84%, 71%
HSV	74°, 51%, 95%
XYZ	62.7612, 79.5553, 29.1874
YIQ	219.7800, 22.2450, -45.2350

# Conversions

## Conversions Part 2

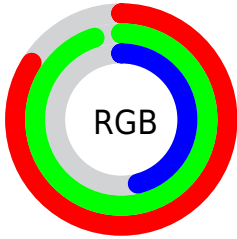
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">118, 243, 148</a>
Decimal	<a href="#">14021494</a>
CIELab	<a href="#">91.48, -27.90, 56.36</a>
CIELCh	<a href="#">91, 62.889, 116.334</a>
Yxy	<a href="#">79.5553, 0.3659, 0.4639</a>
Android (android.graphics.Color)	<a href="#">4292211574 (0xFFD5F376)</a>
YUV	<a href="#">219.7800, -50.1775, -5.9461</a>
Hunter-Lab	<a href="#">89.1938, -30.4876, 43.0338</a>

# Details

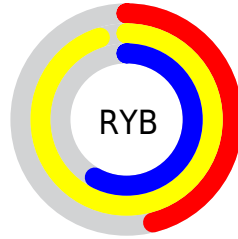
The XYZ color **62.7612, 79.5553, 29.1874** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.8718, 25.7259, 87.9263**, and the grayscale version is **68.2039, 71.7558, 78.1420**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **32.4060, 42.9787, 11.4382** is the 20% darker color. If you saturate the color by 10%, you get **59.8382, 78.1969, 22.4596**, and if you desaturate by 10%, it is **66.1209, 81.1010, 37.8802**.

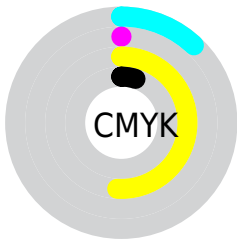
# Distribution



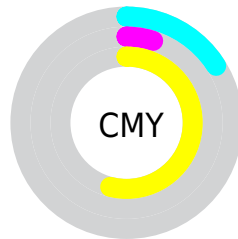
- Red (84%)
- Green (95%)
- Blue (46%)



- Red (46%)
- Yellow (95%)
- Blue (58%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)
- Black (5%)



- Cyan (16%)
- Magenta (5%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7612, 79.5553, 29.1874 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 62.7612, 79.5553, 29.1874 by changing the saturation by 10% instead.



62.7612, 79.5553,  
29.1874

62.7612, 79.5553,  
29.1874

424.3758,  
493.4329, 312.1867

45.9060, 59.3525,  
18.9758

107.9087,  
132.7403, 59.4204

32.3759, 42.8969,  
11.4762

136.9316,  
166.4913, 80.2790

21.8057, 29.8043,  
6.2699

170.7412,  
205.5272, 105.5236

13.8300, 19.6901,  
2.9385

209.7027,  
250.2322, 135.5728

8.0835, 12.1699,  
1.0633

254.1816,  
300.9910, 170.8452

4.2007, 6.8595,  
0.0000

304.5432,

1.8163, 3.3744,

358.1877, 211.7593

0.0000

361.1528,  
422.2069, 258.7336

0.5274, 1.3302,  
0.0000

0.0000, 0.1644,  
0.0000

62.7612, 79.5553,  
29.1874

62.7612, 79.5553,  
29.1874

59.8382, 78.1969,  
22.4596

66.1209, 81.1010,  
37.8802

57.3162, 77.0031,  
17.5381


69.9383, 82.8340,  
48.6704


55.1632, 75.9638,  
14.2480


74.2395, 84.7678,  
61.6846


53.3380, 75.0624,  
12.3771


79.0472, 86.9114,  
77.0381

 51.9814, 74.3784,  
11.6168

 84.3822, 89.2732,  
94.8382

 88.8134, 91.2809,  
107.5458

 90.9140, 92.3638,  
107.6441

 91.3423, 92.5847,  
107.6641

# Harmonies

## Analogous

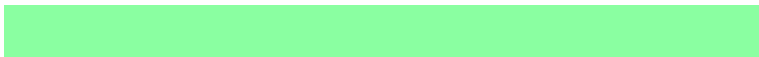
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6009, 79.5553, 25.0552



62.7612, 79.5553, 29.1874



52.7731, 79.5553, 46.3555

# Triad

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



62.7612, 79.5553, 29.1874



59.7974, 79.5553, 182.7016



110.6953, 79.5553, 92.3839

# Complementary

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



62.7612, 79.5553, 29.1874



34.8718, 25.7259, 87.9263

# 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.



104.2476, 79.5553, 145.2823



62.7612, 79.5553, 29.1874



73.6632, 79.5553, 207.7988

# Square

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



62.7612, 79.5553, 29.1874



51.2391, 79.5553, 131.9275



90.1137, 79.5553, 192.1328



106.7054, 79.5553, 53.0954



# Rectangle

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



62.7612, 79.5553, 29.1874



49.4671, 79.5553, 67.4129



90.1137, 79.5553, 192.1328



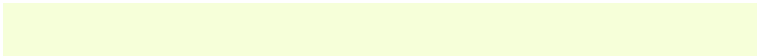
109.6559, 79.5553, 109.1725

# Sweetspot

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



62.7631, 79.5589, 29.1891



86.1942, 96.0768, 79.4770



50.6947, 41.2844, 22.4374



18.2056, 20.4558, 16.2325



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.



62.7631, 79.5589, 29.1891



66.5429, 87.1405, 24.5974



48.1478, 72.0244, 28.5051



17.5032, 19.1015, 17.5620



28.6545, 40.8847, 6.3813



2.6095, 3.6403, 0.5651



# Inverse Universe

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



34.8718, 25.7259, 87.9263



32.2831, 20.8894, 96.9383



49.1424, 33.0826, 88.5941



15.9536, 16.1187, 20.8129



9.9472, 4.1023, 46.8056



0.9627, 0.4061, 4.1179



# Previews

## White Background



This preview shows how the XYZ color 62.7612, 79.5553, 29.1874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

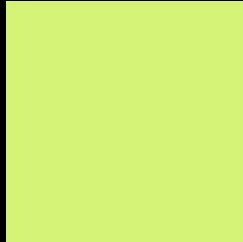
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7612, 79.5553, 29.1874 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

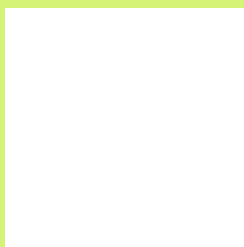
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.7612, 79.5553, 29.1874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7612, 79.5553, 29.1874.



This preview shows how white text looks on a background with the XYZ color 62.7612, 79.5553,



# 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

62.7612, 79.5553, 29.1874

### Protanopia

72.2071, 78.8794, 27.3391

### Deuteranopia

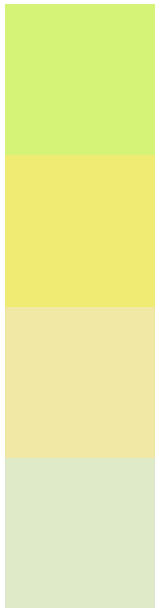
77.5692, 78.8720, 60.4257



## **Tritanopia**

76.8027, 79.2480, 99.2441

# Trichromacy



## Original Color

62.7612, 79.5553, 29.1874

## Protanomaly

68.3994, 79.0052, 27.8641

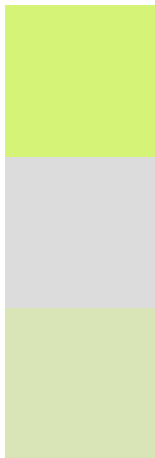
## Deuteranomaly

71.4926, 78.9188, 46.5868

## Tritanomaly

70.2796, 78.7037, 66.1308

# Monochromacy



## Original Color

62.7612, 79.5553, 29.1874

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

64.9059, 73.6574, 55.5961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7612, 79.5553, 29.1874 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(213, 243, 118)` looks like.

```
.text, #text, p{  
    color:rgb(213, 243, 118)  
}
```

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(213, 243, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 243, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7612, 79.5553, 29.1874 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(213, 243, 118) }
```



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

```
.border{ border-color:rgb(213, 243, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 243, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 243, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 243, 118);  
box-shadow:4px 4px 4px 4px rgb(213, 243,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7612, 79.5553, 29.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 243, 118) }
```

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

```
.background{ background-color: rgb(213,  
243, 118) }
```

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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