

Converting Colors

XYZ(63.7487, 79.7190, 29.7490)

Have a look what the booklet for
XYZ(63.7487, 79.7190, 29.7490)
contains.

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Color

**XYZ(63.7576, 79.6120,
29.7756)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F278
RGB	217, 242, 120
RGB Percent	85%, 95%, 47%
CMY	0.1490, 0.0510, 0.5294
CMYK	0.10, 0.00, 0.50, 0.05
HSL	72°, 82%, 71%
HSV	72°, 50%, 95%
XYZ	63.7576, 79.6120, 29.7756
YIQ	220.6170, 24.2620, -43.2420

Conversions

Conversions Part 2

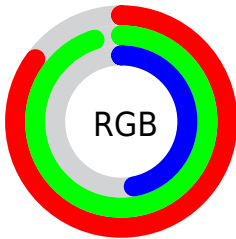
Format	Color
RYB	120, 242, 145
Decimal	14283384
CIELab	91.51, -25.72, 55.55
CIELCh	92, 61.210, 114.843
Yxy	79.6120, 0.3682, 0.4598
Android (android.graphics.Color)	4292473464 (0xFFD9F278)
YUV	220.6170, -49.6042, -3.1721
Hunter-Lab	89.2256, -28.5946, 42.6721

Details

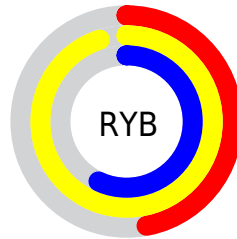
The XYZ color **63.7576, 79.6120, 29.7756** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.4235, 25.8655, 87.1872**, and the grayscale version is **68.7852, 72.3674, 78.8081**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **33.0692, 42.9966, 11.8664** is the 20% darker color. If you saturate the color by 10%, you get **61.0190, 78.3516, 22.9261**, and if you desaturate by 10%, it is **66.9155, 81.0509, 38.5850**.

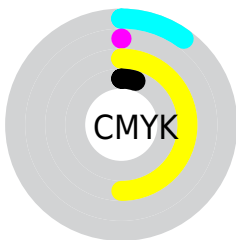
Distribution



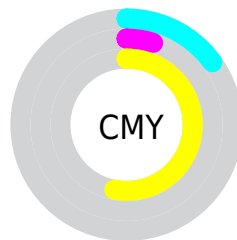
- Red (85%)
- Green (95%)
- Blue (47%)



- Red (47%)
- Yellow (95%)
- Blue (57%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7576, 79.6120, 29.7756 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 63.7576, 79.6120, 29.7756 by changing the saturation by 10% instead.

 63.7576, 79.6120,
29.7756

 63.7576, 79.6120,
29.7756


427.9299,
493.6243, 315.0318


 46.7153, 59.3991,
19.4177


 109.3375,
132.8201, 60.3639

 33.0177, 42.9345,
11.7926


 138.6057,
166.5841, 81.4315

 22.2993, 29.8337,
6.4818


 172.6801,
205.6339, 106.9059

 14.1948, 19.7124,
3.0667

211.9258,
250.3540, 137.2059

 8.3389, 12.1862,
1.1288

256.7083,
301.1286, 172.7500

 4.3662, 6.8706,
0.0000

307.3929,

 1.9113, 3.3813,

358.3423, 213.9566

0.0000

364.3450,
422.3794, 261.2443

■ 0.5834, 1.3339,
0.0000

■ 0.0000, 0.1672,
0.0000

■ 63.7576, 79.6120,
29.7756

■ 63.7576, 79.6120,
29.7756

■ 61.0190, 78.3516,
22.9261

■ 66.9155, 81.0509,
38.5850

■ 58.6650, 77.2473,
17.8813


■ 70.5130, 82.6679,
49.4838


■ 56.6646, 76.2894,
14.4708


■ 74.5755, 84.4762,
62.5965


■ 54.9782, 75.4622,
12.4892


■ 79.1249, 86.4845,
78.0362

 53.5945, 74.7670,
11.6067

 84.1817, 88.7010,
95.9083

 88.0774, 90.4585,
107.4258

 89.8479, 91.3712,
107.5086

 91.0439, 91.9877,
107.5646

Harmonies

Analogous

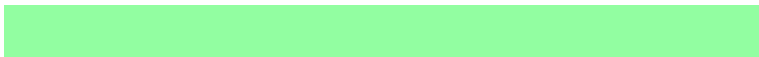
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3964, 79.6120, 26.2020



63.7576, 79.6120, 29.7756



53.7062, 79.6120, 46.0420

Triad

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



63.7576, 79.6120, 29.7756



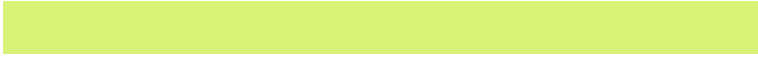
59.6828, 79.6120, 177.5527



109.6331, 79.6120, 94.6349

Complementary

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



63.7576, 79.6120, 29.7756



34.4235, 25.8655, 87.1872

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.



102.9262, 79.6120, 146.1310



63.7576, 79.6120, 29.7756



73.0053, 79.6120, 203.4221

Square

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



63.7576, 79.6120, 29.7756



51.5899, 79.6120, 127.9985



88.9782, 79.6120, 190.2964



106.2708, 79.6120, 55.3798

Rectangle

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



63.7576, 79.6120, 29.7756



50.2602, 79.6120, 66.1131



88.9782, 79.6120, 190.2964



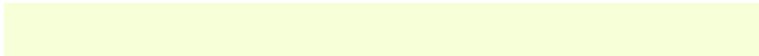
108.4571, 79.6120, 111.1322

Sweetspot

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



63.7595, 79.6156, 29.7773



86.6662, 96.3201, 79.4991



50.0449, 40.3035, 22.9121



18.3201, 20.5148, 16.2378



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.



63.7595, 79.6156, 29.7773



68.7876, 88.2693, 25.9826



48.9718, 71.9922, 29.0852



16.7871, 18.2860, 16.7945



28.9061, 40.2232, 6.2403



2.4838, 3.3869, 0.5228

Inverse Universe

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



34.4235, 25.8655, 87.1872



32.5310, 21.7386, 97.0891



48.0335, 32.8818, 87.8241



15.1999, 15.3848, 19.8900



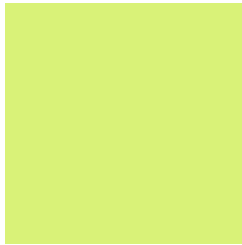
9.3956, 3.8490, 45.3756



0.8610, 0.3611, 3.7785

Previews

White Background



This preview shows how the XYZ color 63.7576, 79.6120, 29.7756 looks on a white background.

Color Contrast Check

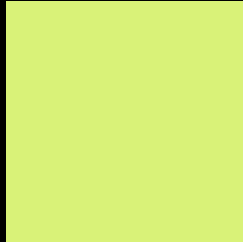
Large Text (above 18pt) WCAG AA × Fail

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 63.7576, 79.6120, 29.7756 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 63.7576, 79.6120, 29.7756

Background



This preview shows how black text looks on a background with the XYZ color 63.7576, 79.6120, 29.7756.



This preview shows how white text looks on a background with the XYZ color 63.7576, 79.6120,

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

63.7576, 79.6120, 29.7756

Protanopia

72.3223, 78.9254, 27.9453

Deuteranopia

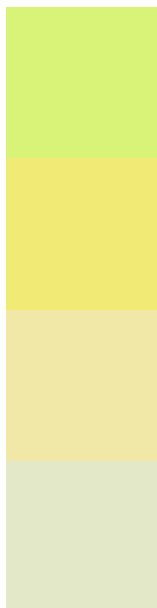
77.6796, 78.9162, 61.0074



Tritanopia

77.6567, 79.2964, 98.4016

Trichromacy



Original Color

63.7576, 79.6120, 29.7756

Protanomaly

68.9093, 78.8308, 28.4136

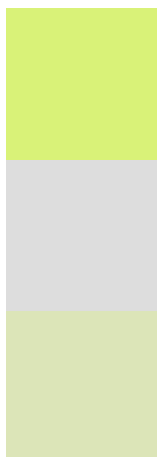
Deuteranomaly

71.7345, 78.6058, 47.4680

Tritanomaly

71.2428, 78.7789, 66.0945

Monochromacy



Original Color

63.7576, 79.6120, 29.7756

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.1862, 74.7150, 56.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7576, 79.6120, 29.7756 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(217, 242, 120)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 120)  
}
```

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(217, 242, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 120) }
```

Border

The CSS property to change the border of an element to XYZ 63.7576, 79.6120, 29.7756 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(217, 242, 120) }
```


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

```
.border{ border-color:rgb(217, 242, 120) }
```

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

Here you see how a box with a 4 pixel rgb(217, 242, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 120);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7576, 79.6120, 29.7756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 120) }
```

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

```
.background{ background-color: rgb(217,  
242, 120) }
```

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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