

# Converting Colors

XYZ(60.6482, 75.9367, 27.3318)

Have a look what the booklet for  
XYZ(60.6482, 75.9367, 27.3318)  
contains.

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# Color

**XYZ(60.4728, 75.7803,  
27.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4ED72
RGB	212, 237, 114
RGB Percent	83%, 93%, 45%
CMY	0.1686, 0.0706, 0.5529
CMYK	0.11, 0.00, 0.52, 0.07
HSL	72°, 77%, 69%
HSV	72°, 52%, 93%
XYZ	60.4728, 75.7803, 27.3594
YIQ	215.5030, 24.5830, -43.5530

# Conversions

## Conversions Part 2

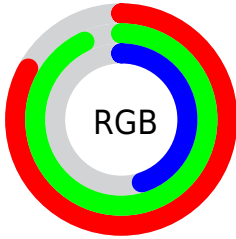
Format	Color
<a href="#">RYB</a>	<a href="#">114, 237, 139</a>
Decimal	<a href="#">13954418</a>
CIELab	<a href="#">89.76, -25.81, 56.13</a>
CIELCh	<a href="#">90, 61.783, 114.691</a>
Yxy	<a href="#">75.7803, 0.3696, 0.4632</a>
Android (android.graphics.Color)	<a href="#">4292144498 (0xFFD4ED72)</a>
YUV	<a href="#">215.5030, -50.0410, -3.0721</a>
Hunter-Lab	<a href="#">87.0519, -28.3412, 42.3022</a>

# Details

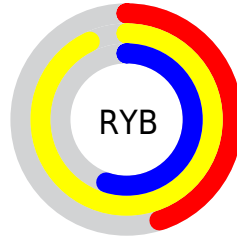
The XYZ color **60.4728, 75.7803, 27.3594** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **31.9537, 23.6400, 83.0040**, and the grayscale version is **65.2515, 68.6497, 74.7595**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **30.8571, 40.3426, 10.4355** is the 20% darker color. If you saturate the color by 10%, you get **57.9271, 74.6066, 21.0880**, and if you desaturate by 10%, it is **63.4131, 77.1220, 35.4764**.

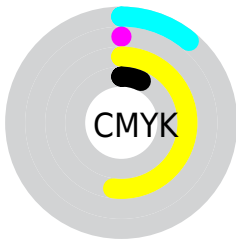
# Distribution



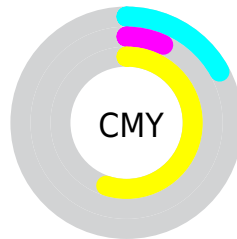
- Red (83%)
- Green (93%)
- Blue (45%)



- Red (45%)
- Yellow (93%)
- Blue (55%)



- Cyan (11%)
- Magenta (0%)
- Yellow (52%)
- Black (7%)




- Cyan (17%)
- Magenta (7%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4728, 75.7803, 27.3594 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 60.4728, 75.7803, 27.3594 by changing the saturation by 10% instead.





 60.4728, 75.7803,  
27.3594


 60.4728, 75.7803,  
27.3594


416.1452,  
480.5953, 303.2081


 44.0508, 56.2524,  
17.6085


 104.6177,  
127.4163, 56.4708

 30.9085, 40.4053,  
10.5028


 133.0712,  
160.2932, 76.6684

 20.6807, 27.8547,  
5.6236


 166.2659,  
198.3885, 101.1852

 13.0019, 18.2162,  
2.5525

204.5672,  
242.0866, 130.4400

 7.5069, 11.1053,  
0.8678

248.3405,  
291.7719, 164.8511

 3.8302, 6.1377,  
0.0000

297.9509,

 1.6065, 2.9290,

347.8289, 204.8371

0.0000

353.7641,  
410.6419, 250.8166

0.3967, 1.0948,  
0.0000

0.0000, 0.0000,  
0.0000

60.4728, 75.7803,  
27.3594

60.4728, 75.7803,  
27.3594

57.9271, 74.6066,  
21.0880

63.4131, 77.1220,  
35.4764

55.7426, 73.5795,  
16.5122


66.7675, 78.6315,  
45.5640


53.8890, 72.6894,  
13.4663

70.5607, 80.3213,  
57.7418


52.3278, 71.9210,  
11.7493


74.8136, 82.1999,  
72.1187


 51.2283, 71.3679,  
11.0754

 79.5457, 84.2752,  
88.7958

 84.5805, 86.4765,  
106.8415

 86.2464, 87.3353,  
106.9195

 87.9561, 88.2167,  
106.9995

 89.5759, 89.0517,  
107.0753

# Harmonies

## Analogous

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



74.7707, 75.7803, 24.0054



60.4728, 75.7803, 27.3594



50.6737, 75.7803, 42.9085

# Triad

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



60.4728, 75.7803, 27.3594



56.3913, 75.7803, 171.6265



105.2998, 75.7803, 90.5180

# Complementary

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



60.4728, 75.7803, 27.3594



31.9537, 23.6400, 83.0040

# 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.



98.6666, 75.7803, 141.1030



60.4728, 75.7803, 27.3594



69.3511, 75.7803, 197.3703

# Square

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



60.4728, 75.7803, 27.3594



48.5604, 75.7803, 122.7411



84.9662, 75.7803, 184.5847



102.0467, 75.7803, 52.2007



# Rectangle

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



60.4728, 75.7803, 27.3594



47.3115, 75.7803, 62.2894



84.9662, 75.7803, 184.5847



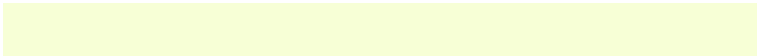
104.1274, 75.7803, 106.6964

# Sweetspot

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



60.4746, 75.7837, 27.3610



86.1771, 96.1059, 77.7606



47.1398, 37.5713, 20.6881



18.2238, 20.4727, 15.8956



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.



60.4746, 75.7837, 27.3610



68.3009, 88.0467, 24.6797



46.0680, 68.3569, 26.6868



16.0346, 17.4634, 16.0444



28.0781, 39.0193, 6.0516



2.2805, 3.1030, 0.4787



# Inverse Universe

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



31.9537, 23.6400, 83.0040



31.3750, 20.4213, 96.8958



45.1521, 30.4440, 83.6217



14.5172, 14.6964, 18.9938



9.1017, 3.7280, 43.9828

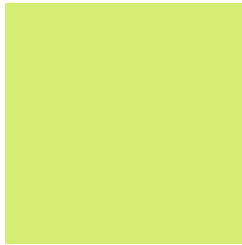


0.7918, 0.3325, 3.4573



# Previews

## White Background



This preview shows how the XYZ color 60.4728, 75.7803, 27.3594 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 60.4728, 75.7803, 27.3594 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 60.4728, 75.7803, 27.3594**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4728, 75.7803, 27.3594.



This preview shows how white text looks on a background with the XYZ color 60.4728, 75.7803,

27.3594.

# 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

60.4728, 75.7803, 27.3594

### Protanopia

69.0778, 75.6582, 25.7146

### Deuteranopia

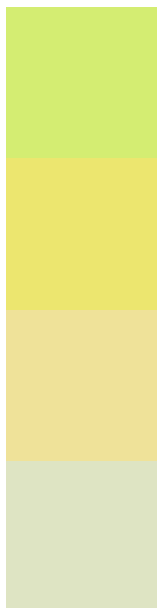
74.4080, 75.0576, 51.6401



## Tritanopia

73.9434, 75.4571, 93.8865

# Trichromacy



## Original Color

60.4728, 75.7803, 27.3594

## Protanomaly

65.7581, 75.5742, 26.1604

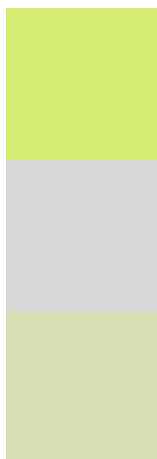
## Deuteranomaly

68.5427, 75.0433, 41.0092

## Tritanomaly

67.7179, 74.9565, 62.5287

# Monochromacy



## Original Color

60.4728, 75.7803, 27.3594

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

62.8167, 71.0131, 53.0439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4728, 75.7803, 27.3594 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(212, 237, 114)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 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(212, 237, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4728, 75.7803, 27.3594 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(212, 237, 114) }
```



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

```
.border{ border-color:rgb(212, 237, 114) }
```

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

Here you see how a box with a 4 pixel rgb(212, 237, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 114);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4728, 75.7803, 27.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 114) }
```

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

```
.background{ background-color: rgb(212,  
237, 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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