

# Converting Colors

XYZ(61.4056, 84.5880, 20.0215)

Have a look what the booklet for  
XYZ(61.4056, 84.5880, 20.0215)  
contains.

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# Color

**XYZ(61.4567, 84.6124,  
20.1139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFF4D
RGB	202, 255, 77
RGB Percent	79%, 100%, 30%
CMY	0.2078, 0.0000, 0.6980
CMYK	0.21, 0.00, 0.70, 0.00
HSL	78°, 100%, 65%
HSV	78°, 70%, 100%
XYZ	61.4567, 84.6124, 20.1139
YIQ	218.8610, 25.5500, -66.5940

# Conversions

## Conversions Part 2

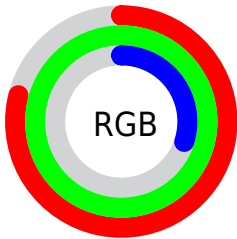
Format	Color
<a href="#">RYB</a>	<a href="#">77, 255, 130</a>
Decimal	<a href="#">13303629</a>
CIELab	<a href="#">93.72, -40.55, 75.26</a>
CIELCh	<a href="#">94, 85.490, 118.317</a>
Yxy	<a href="#">84.6124, 0.3698, 0.5092</a>
Android (android.graphics.Color)	<a href="#">4291493709</a> ( <a href="#">0xFFCAFF4D</a> )
YUV	<a href="#">218.8610, -69.9375, -14.7871</a>
Hunter-Lab	<a href="#">91.9850, -41.7149, 51.4249</a>

# Details

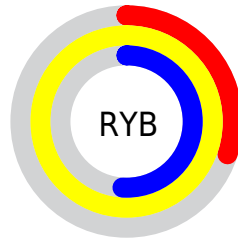
The XYZ color **61.4567, 84.6124, 20.1139** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **29.9113, 17.2750, 96.3657**, and the grayscale version is **67.6927, 71.2180, 77.5564**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **31.6957, 46.3175, 7.2696** is the 20% darker color. If you saturate the color by 10%, you get **58.7214, 83.2867, 16.1718**, and if you desaturate by 10%, it is **64.6460, 86.1313, 25.9202**.

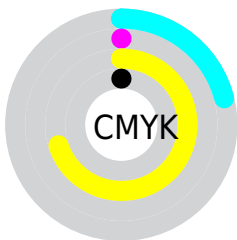
# Distribution



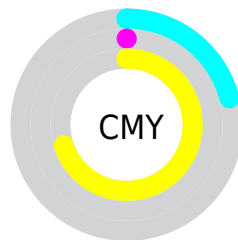
- Red (79%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (51%)



- Cyan (21%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4567, 84.6124, 20.1139 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 61.4567, 84.6124, 20.1139 by changing the saturation by 10% instead.




 61.4567, 84.6124,  
20.1139

 61.4567, 84.6124,  
20.1139


419.6957,  
510.3446, 265.1557

 44.8478, 63.5212,  
12.2930


 106.0343,  
139.8315, 44.4695


 31.5383, 46.2630,  
6.8186


 134.7337,  
174.7282, 61.8413

 21.1629, 32.4534,  
3.2722

 168.1940,  
214.9955, 83.2338

 13.3563, 21.7080,  
1.2352

 206.7804,  
261.0177, 109.0655

 7.7530, 13.6425,  
0.0078

250.8585,  
313.1794, 139.7551

 3.9878, 7.8725,  
0.0000

300.7935,

 1.6952, 4.0134,

371.8648, 175.7209

0.0000

356.9508,  
437.4584, 217.3816

■ 0.4533, 1.6811,  
0.0000

■ 0.0000, 0.4114,  
0.0000

■ 61.4567, 84.6124,  
20.1139

■ 61.4567, 84.6124,  
20.1139

■ 58.7214, 83.2867,  
16.1718

■ 64.6460, 86.1313,  
25.9202

■ 56.3944, 82.1359,  
13.8592

■ 68.3272, 87.8589,  
33.7815

■ 54.4042, 81.1311,  
12.8070

■ 72.5341, 89.8087,  
43.8686

■ 54.3665, 81.1120,  
12.7908

■ 77.2968, 91.9930,  
56.3336

■ 82.6431, 94.4231,  
71.3154

■ 88.5986, 97.1092,  
88.9419

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.



81.7096, 84.6124, 15.1830



61.4567, 84.6124, 20.1139



48.7240, 84.6124, 40.8640

# Triad

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



61.4567, 84.6124, 20.1139



59.6204, 84.6124, 244.5386



132.3690, 84.6124, 95.8469

# Complementary

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



61.4567, 84.6124, 20.1139



29.9113, 17.2750, 96.3657

# 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.



123.5378, 84.6124, 174.5379



61.4567, 84.6124, 20.1139



79.1471, 84.6124, 281.8769

# Square

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



61.4567, 84.6124, 20.1139



47.8124, 84.6124, 164.9867



102.9344, 84.6124, 251.6407



125.2514, 84.6124, 44.6730



# Rectangle

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



61.4567, 84.6124, 20.1139



44.8257, 84.6124, 69.0784



102.9344, 84.6124, 251.6407



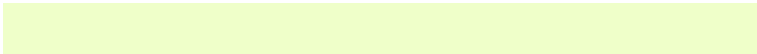
131.1393, 84.6124, 119.8084

# Sweetspot

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



61.4568, 84.6124, 20.1151



81.9707, 94.1185, 69.3827



50.2258, 37.0880, 11.5339



17.2206, 19.9980, 13.9284



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.



61.4568, 84.6124, 20.1151



57.6976, 82.7834, 15.0174



44.2454, 75.7396, 19.3096



19.0036, 20.8033, 19.1582



28.5651, 42.4640, 6.6908



2.8913, 4.1913, 0.6566



# Inverse Universe

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



29.9113, 17.2750, 96.3657



24.6127, 11.7700, 95.5824



49.1518, 27.1939, 97.2661



17.5114, 17.6398, 22.7318



11.1159, 4.6409, 49.7445

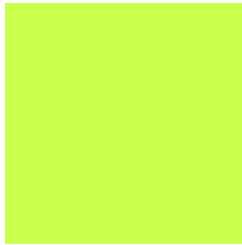


1.1865, 0.5056, 4.8483



# Previews

## White Background



This preview shows how the XYZ color 61.4567, 84.6124, 20.1139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

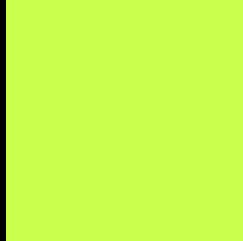
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4567, 84.6124, 20.1139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

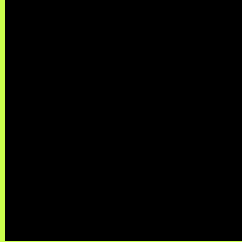
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.4567, 84.6124, 20.1139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4567, 84.6124, 20.1139.



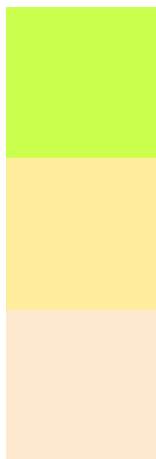
This preview shows how white text looks on a background with the XYZ color 61.4567, 84.6124,



# 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

61.4567, 84.6124, 20.1139

### Protanopia

77.2362, 83.6512, 43.5280

### Deuteranopia

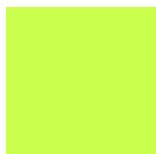
81.5195, 83.9941, 70.3085



## Tritanopia

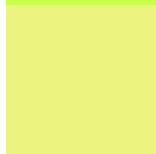
79.3650, 84.2164, 106.6801

# Trichromacy



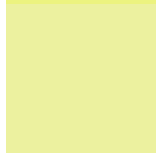
## Original Color

61.4567, 84.6124, 20.1139



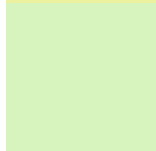
## Protanomaly

70.4734, 83.4664, 32.4749



## Deuteranomaly

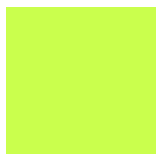
72.3054, 83.2467, 45.0582



## Tritanomaly

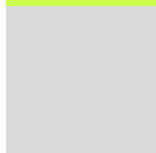
69.9638, 83.0180, 61.0518

# Monochromacy



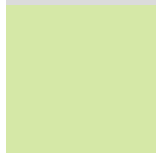
## Original Color

61.4567, 84.6124, 20.1139



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.2722, 74.6494, 47.6332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4567, 84.6124, 20.1139 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(202, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 77)  
}
```

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(202, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4567, 84.6124, 20.1139 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(202, 255, 77) }
```



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

```
.border{ border-color:rgb(202, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4567, 84.6124, 20.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 77) }
```

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

```
.background{ background-color: rgb(202,  
255, 77) }
```

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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