

Converting Colors

XYZ(60.8251, 84.2430, 22.0630)

Have a look what the booklet for
XYZ(60.8251, 84.2430, 22.0630)
contains.

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Color

**XYZ(60.7690, 84.2139,
22.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FF57
RGB	198, 255, 87
RGB Percent	78%, 100%, 34%
CMY	0.2235, 0.0000, 0.6588
CMYK	0.22, 0.00, 0.66, 0.00
HSL	80°, 100%, 67%
HSV	80°, 66%, 100%
XYZ	60.7690, 84.2139, 22.0689
YIQ	218.8050, 19.9560, -64.3320

Conversions

Conversions Part 2

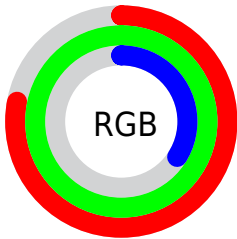
Format	Color
R_{YB}	87, 255, 144
Decimal	13041495
CIE Lab	93.54, -41.43, 71.39
CIE LCh	94, 82.536, 120.127
Yxy	84.2139, 0.3638, 0.5041
Android (android.graphics.Color)	4291231575 (0xFFC6FF57)
YUV	218.8050, -64.9799, -18.2460
Hunter-Lab	91.7681, -42.3913, 49.9793

Details

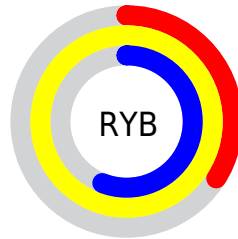
The XYZ color **60.7690, 84.2139, 22.0689** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **32.9613, 19.9671, 96.7245**, and the grayscale version is **67.6231, 71.1447, 77.4766**.

A 20% lighter version of the original color is **82.0340, 94.7936, 40.3589**, and **31.1105, 46.0041, 7.7703** is the 20% darker color. If you saturate the color by 10%, you get **57.6885, 82.7257, 17.4138**, and if you desaturate by 10%, it is **64.3478, 85.9164, 28.6693**.

Distribution



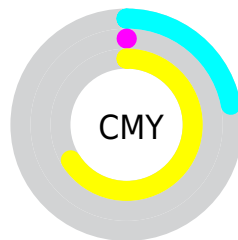
- Red (78%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (56%)



- Cyan (22%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7690, 84.2139, 22.0689 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 60.7690, 84.2139, 22.0689 by changing the saturation by 10% instead.


 60.7690, 84.2139,
22.0689


 60.7690, 84.2139,
22.0689


417.2160,
509.0233, 275.8711

 44.2906, 63.1921,
13.7087


 105.0444,
139.2744, 47.7635


 31.0979, 45.9966,
7.7819


 133.5721,
174.0817, 65.9350

 20.8256, 32.2431,
3.8700


 166.8470,
214.2531, 88.2141

 13.1083, 21.5473,
1.5543

 205.2344,
260.1728, 115.0192

 7.5807, 13.5246,
0.2579

249.0996,
312.2253, 146.7689

 3.8774, 7.7908,
0.0000

298.8080,

 1.6330, 3.9614,

370.7950, 183.8818

0.0000

354.7250,
436.2661, 226.7763

■ 0.4138, 1.6520,
0.0000

■ 0.0000, 0.3923,
0.0000

■ 60.7690, 84.2139,
22.0689

■ 60.7690, 84.2139,
22.0689

■ 57.6885, 82.7257,
17.4138

■ 64.3478, 85.9164,
28.6693

■ 55.0632, 81.4344,
14.4858

■ 68.4615, 87.8483,
37.3950

■ 52.8403, 80.3186,
13.0199

■ 73.1431, 90.0228,
48.4094

■ 52.0105, 79.8975,
12.6805

■ 78.4224, 92.4521,
61.8591

84.3268, 95.1475,
77.8782

90.8820, 98.1194,
96.5914

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.



79.9494, 84.2139, 16.3631



60.7690, 84.2139, 22.0689



48.8833, 84.2139, 43.9068

Triad

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



60.7690, 84.2139, 22.0689



60.9037, 84.2139, 240.4257



129.7821, 84.2139, 91.4274

Complementary

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



60.7690, 84.2139, 22.0689



32.9613, 19.9671, 96.7245

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.



122.2364, 84.2139, 165.5468



60.7690, 84.2139, 22.0689



80.1362, 84.2139, 272.0921

Square

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



60.7690, 84.2139, 22.0689



48.9505, 84.2139, 166.2346



103.0135, 84.2139, 239.9175



122.1126, 84.2139, 43.6239

Rectangle

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



60.7690, 84.2139, 22.0689



45.4024, 84.2139, 72.5892



103.0135, 84.2139, 239.9175



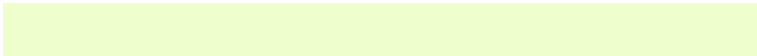
128.9263, 84.2139, 113.8888

Sweetspot

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



60.7691, 84.2139, 22.0701



81.8169, 94.0041, 70.9591



52.7836, 41.5943, 14.2645



17.1590, 19.9595, 14.2330



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.



60.7691, 84.2139, 22.0701



56.8228, 82.3026, 16.3260



44.5514, 75.8534, 21.3111



18.9275, 20.7641, 19.1546



27.3426, 41.8337, 6.6336



2.7791, 4.1334, 0.6514

Inverse Universe

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



32.9613, 19.9671, 96.7245



27.3605, 13.9471, 95.8577



53.1375, 30.3684, 97.6688



17.5839, 17.6772, 22.7352



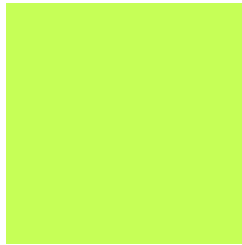
11.6043, 4.8927, 49.7674



1.2411, 0.5337, 4.8509

Previews

White Background



This preview shows how the XYZ color 60.7690, 84.2139, 22.0689 looks on a white background.

Color Contrast Check

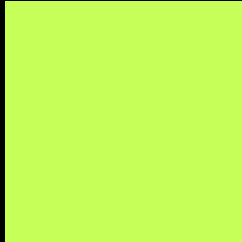
Large Text (above 18pt) WCAG AA × Fail

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 60.7690, 84.2139, 22.0689 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 60.7690, 84.2139, 22.0689

Background



This preview shows how black text looks on a background with the XYZ color 60.7690, 84.2139, 22.0689.

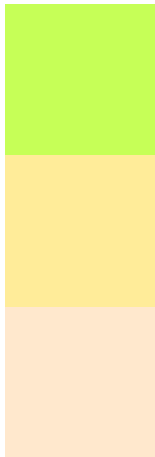


This preview shows how white text looks on a background with the XYZ color 60.7690, 84.2139,

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

60.7690, 84.2139, 22.0689

Protanopia

76.9852, 83.5508, 42.2064

Deuteranopia

81.1161, 83.3810, 69.5765



Tritanopia

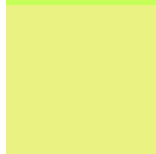
78.1397, 83.5847, 106.6228

Trichromacy



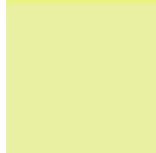
Original Color

60.7690, 84.2139, 22.0689



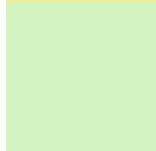
Protanomaly

69.9447, 83.1786, 33.1375



Deuteranomaly

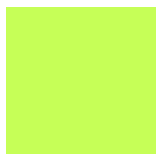
71.6134, 82.4212, 46.3169



Tritanomaly

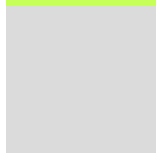
69.2397, 82.5935, 63.3318

Monochromacy



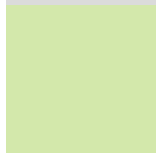
Original Color

60.7690, 84.2139, 22.0689



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.0713, 74.5024, 49.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7690, 84.2139, 22.0689 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(198, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 87)  
}
```

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(198, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 87) }
```

Border

The CSS property to change the border of an element to XYZ 60.7690, 84.2139, 22.0689 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(198, 255, 87) }
```


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

```
.border{ border-color:rgb(198, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7690, 84.2139, 22.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 87) }
```

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

```
.background{ background-color: rgb(198,  
255, 87) }
```

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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