

Converting Colors

XYZ(57.8730, 79.1110, 24.0191)

Have a look what the booklet for
XYZ(57.8730, 79.1110, 24.0191)
contains.

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Color

**XYZ(57.7610, 78.8917,
23.9877)**

Conversions

Conversions Part 1

Format	Color
Hex	C2F763
RGB	194, 247, 99
RGB Percent	76%, 97%, 39%
CMY	0.2392, 0.0314, 0.6117
CMYK	0.21, 0.00, 0.60, 0.03
HSL	81°, 90%, 68%
HSV	81°, 60%, 97%
XYZ	57.7610, 78.8917, 23.9877
YIQ	214.2810, 15.9200, -57.2640

Conversions

Conversions Part 2

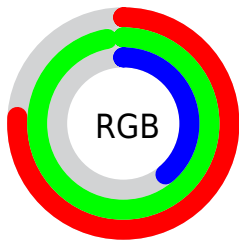
Format	Color
R_{YB}	99, 247, 152
Decimal	12777315
CIE _{Lab}	91.19, -38.49, 64.01
CIE _{LCh}	91, 74.691, 121.019
Yxy	78.8917, 0.3596, 0.4911
Android (android.graphics.Color)	4290967395 (0xFFC2F763)
YUV	214.2810, -56.8335, -17.7864
Hunter-Lab	88.8210, -39.3568, 46.1624

Details

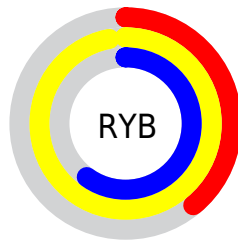
The XYZ color **57.7610, 78.8917, 23.9877** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.2025, 22.3167, 90.5051**, and the grayscale version is **64.4713, 67.8288, 73.8655**.

A 20% lighter version of the original color is **82.1844, 94.7692, 44.9711**, and **29.1302, 42.3054, 8.7283** is the 20% darker color. If you saturate the color by 10%, you get **54.5534, 77.3568, 18.5885**, and if you desaturate by 10%, it is **61.4686, 80.6477, 31.2980**.

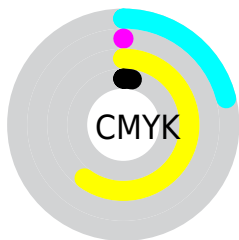
Distribution



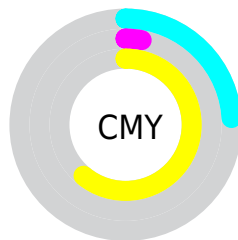
- Red (76%)
- Green (97%)
- Blue (39%)



- Red (39%)
- Yellow (97%)
- Blue (60%)



- Cyan (21%)
- Magenta (0%)
- Yellow (60%)
- Black (3%)





- Cyan (24%)
- Magenta (3%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7610, 78.8917, 23.9877 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 57.7610, 78.8917, 23.9877 by changing the saturation by 10% instead.


 57.7610, 78.8917,
23.9877

 57.7610, 78.8917,
23.9877


406.2630,
491.1899, 286.0428

 41.8591, 58.8068,
15.1124


 100.6997,
131.8064, 50.9537


 29.1816, 42.4576,
8.7508


 128.4672,
165.4049, 69.8815

 19.3632, 29.4598,
4.4844


 160.9205,
204.2768, 92.9971

 12.0386, 19.4289,
1.8947

 198.4251,
248.8064, 120.7192

 6.8423, 11.9806,
0.4893

241.3463,
299.3781, 153.4663

 3.4091, 6.7305,
0.0000

290.0495,

 1.3736, 3.2941,

356.3763, 191.6569

0.0000

344.8999,
420.1855, 235.7096

■ 0.2373, 1.2871,
0.0000

■ 0.0000, 0.1312,
0.0000

■ 57.7610, 78.8917,
23.9877

■ 57.7610, 78.8917,
23.9877

■ 54.5534, 77.3568,
18.5885

■ 61.4686, 80.6477,
31.2980

■ 51.8036, 76.0178,
14.9155


■ 65.7027, 82.6273,
40.6714


■ 49.4707, 74.8605,
12.7564

■ 70.4942, 84.8461,
52.2506


■ 47.4852, 73.8569,
11.7589

■ 75.8694, 87.3147,
66.1640

 47.4698, 73.8491,
11.7524

 81.8532, 90.0434,
82.5303

 88.4684, 93.0416,
101.4600

 92.5525, 95.0050,
108.0675

Harmonies

Analogous

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



74.3390, 78.8917, 18.1762



57.7610, 78.8917, 23.9877



47.4576, 78.8917, 44.6728

Triad

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



57.7610, 78.8917, 23.9877



58.7078, 78.8917, 213.0217



117.5402, 78.8917, 84.0599

Complementary

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



57.7610, 78.8917, 23.9877



34.2025, 22.3167, 90.5051

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.



111.5092, 78.8917, 146.8907



57.7610, 78.8917, 23.9877



75.6331, 78.8917, 237.7878

Square

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



57.7610, 78.8917, 23.9877



47.9362, 78.8917, 151.5282



95.3301, 78.8917, 209.6448



110.6684, 78.8917, 42.6292

Rectangle

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



57.7610, 78.8917, 23.9877



44.4934, 78.8917, 70.6454



95.3301, 78.8917, 209.6448



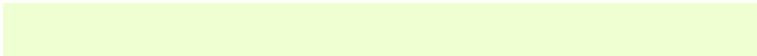
116.9474, 78.8917, 103.2054

Sweetspot

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



57.7629, 78.8952, 23.9894



82.7296, 94.4028, 74.2478



51.6473, 42.7466, 17.3343



17.3251, 20.0311, 14.8708



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.



57.7629, 78.8952, 23.9894



57.9572, 82.8302, 18.9619



43.4287, 71.5057, 23.3186



17.3054, 18.9995, 17.5527



25.2645, 39.1371, 6.2226



2.3323, 3.4974, 0.5521

Inverse Universe

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



34.2025, 22.3167, 90.5051



30.6708, 17.1091, 96.2936



52.2424, 31.6166, 91.3494



16.1413, 16.2155, 20.8217



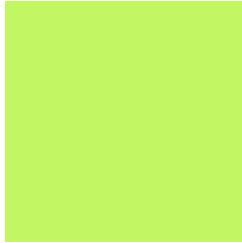
11.1710, 4.7332, 46.8628



1.0897, 0.4716, 4.1238

Previews

White Background



This preview shows how the XYZ color 57.7610, 78.8917, 23.9877 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 57.7610, 78.8917, 23.9877 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

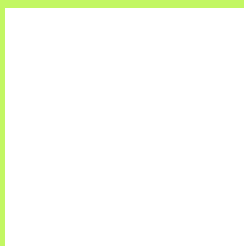
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.7610, 78.8917, 23.9877

Background



This preview shows how black text looks on a background with the XYZ color 57.7610, 78.8917, 23.9877.



This preview shows how white text looks on a background with the XYZ color 57.7610, 78.8917,

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

57.7610, 78.8917, 23.9877

Protanopia

71.2797, 78.1068, 21.9089

Deuteranopia

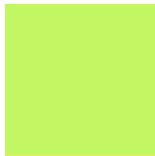
76.7586, 78.1165, 57.4867



Tritanopia

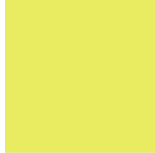
73.5525, 78.7615, 101.7683

Trichromacy



Original Color

57.7610, 78.8917, 23.9877



Protanomaly

65.7110, 78.1591, 22.6892



Deuteranomaly

68.2936, 77.3700, 41.9063



Tritanomaly

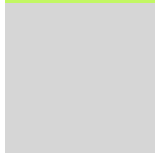
65.5881, 77.6303, 63.1570

Monochromacy



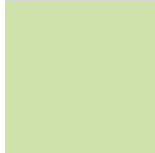
Original Color

57.7610, 78.8917, 23.9877



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.3749, 70.6367, 49.4819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7610, 78.8917, 23.9877 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(194, 247, 99)` looks like.

```
.text, #text, p{  
    color:rgb(194, 247, 99)  
}
```

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(194, 247, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 247, 99) }
```

Border

The CSS property to change the border of an element to XYZ 57.7610, 78.8917, 23.9877 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(194, 247, 99) }
```


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

```
.border{ border-color:rgb(194, 247, 99) }
```

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

Here you see how a box with a 4 pixel rgb(194, 247, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 247, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 247, 99);  
box-shadow:4px 4px 4px 4px rgb(194, 247,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7610, 78.8917, 23.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 247, 99) }
```

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

```
.background{ background-color: rgb(194,  
247, 99) }
```

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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