

Converting Colors

XYZ(60.1224, 78.1415, 14.4928)

Have a look what the booklet for
XYZ(60.1224, 78.1415, 14.4928)
contains.

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Color

**XYZ(59.9768, 77.9977,
14.4787)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F22E
RGB	214, 242, 46
RGB Percent	84%, 95%, 18%
CMY	0.1608, 0.0510, 0.8196
CMYK	0.12, 0.00, 0.81, 0.05
HSL	69°, 88%, 56%
HSV	69°, 81%, 95%
XYZ	59.9768, 77.9977, 14.4787
YIQ	211.2840, 46.2280, -66.8920

Conversions

Conversions Part 2

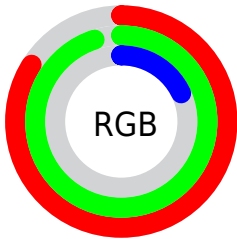
Format	Color
RYB	46, 242, 74
Decimal	14086702
CIELab	90.78, -31.39, 82.02
CIElCh	91, 87.820, 110.943
Yxy	77.9977, 0.3934, 0.5116
Android (android.graphics.Color)	4292276782 (0xFFD6F22E)
YUV	211.2840, -81.4850, 2.3819
Hunter-Lab	88.3163, -33.3318, 52.1013

Details

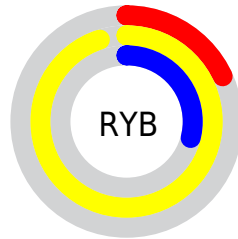
The XYZ color **59.9768, 77.9977, 14.4787** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **19.8307, 9.8224, 84.8600**, and the grayscale version is **62.6081, 65.8686, 71.7309**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **31.0765, 42.0864, 6.4856** is the 20% darker color. If you saturate the color by 10%, you get **58.6296, 77.3463, 12.5887**, and if you desaturate by 10%, it is **61.6175, 78.7747, 17.7867**.

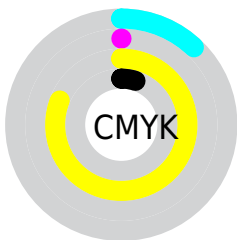
Distribution



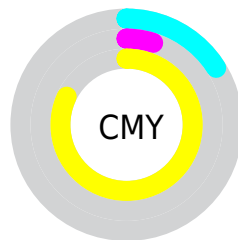
- Red (84%)
- Green (95%)
- Blue (18%)



- Red (18%)
- Yellow (95%)
- Blue (29%)



- Cyan (12%)
- Magenta (0%)
- Yellow (81%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9768, 77.9977, 14.4787 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 59.9768, 77.9977, 14.4787 by changing the saturation by 10% instead.


 59.9768, 77.9977,
14.4787


 59.9768, 77.9977,
14.4787


414.3484,
488.1590, 231.7199

 43.6493, 58.0721,
8.3118


 103.9025,
130.5469, 34.6653

 30.5916, 41.8666,
4.2045


 132.2315,
163.9392, 49.5221


 20.4384, 28.9969,
1.7382


 165.2917,
202.5893, 68.1126

 12.8242, 19.0784,
0.3867

 203.4485,
246.8815, 90.8554

 7.3838, 11.7270,
0.0000

 247.0672,
297.2001, 118.1690

 3.7517, 6.5581,
0.0000

296.5132,

 1.5626, 3.1873,

353.9297, 150.4719

0.0000

352.1518,
417.4545, 188.1827

■ 0.3679, 1.2303,
0.0000

■ 0.0000, 0.0862,
0.0000

■ 59.9768, 77.9977,
14.4787

■ 59.9768, 77.9977,
14.4787

■ 58.6296, 77.3463,
12.5887

■ 61.6175, 78.7747,
17.7867

■ 57.6049, 76.8345,
11.7945

■ 63.5859, 79.6824,
22.7155

■ 65.9168, 80.7376,
29.4405

■ 68.6392, 81.9519,
38.1127

71.7789, 83.3356,
48.8677

75.3593, 84.8982,
61.8286

79.4022, 86.6484,
77.1092

83.9278, 88.5942,
94.8153

87.5029, 90.1625,
107.3989

Harmonies

Analogous

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



81.0171, 77.9977, 12.5668



59.9768, 77.9977, 14.4787



45.8229, 77.9977, 29.0591

Triad

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



59.9768, 77.9977, 14.4787



50.4816, 77.9977, 218.5756



124.4346, 77.9977, 105.5296

Complementary

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



59.9768, 77.9977, 14.4787



19.8307, 9.8224, 84.8600

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.



112.2111, 77.9977, 186.8268



59.9768, 77.9977, 14.4787



67.6531, 77.9977, 270.3625

Square

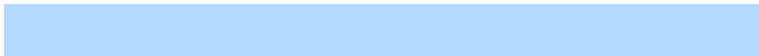
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.9768, 77.9977, 14.4787



41.1447, 77.9977, 136.1966



90.3613, 77.9977, 256.5090



121.2496, 77.9977, 48.4704

Rectangle

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



59.9768, 77.9977, 14.4787



40.8228, 77.9977, 51.1042



90.3613, 77.9977, 256.5090



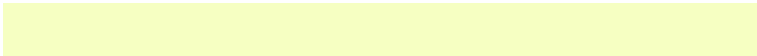
121.9143, 77.9977, 131.1090

Sweetspot

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



59.9786, 78.0013, 14.4803



83.5706, 95.0450, 64.8621



39.4400, 23.7289, 5.0872



17.5787, 20.2088, 12.7646



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.



59.9786, 78.0013, 14.4803



65.2127, 86.6986, 13.5171



39.7016, 67.5481, 13.5314



16.8879, 18.3379, 16.7992



31.0333, 41.3198, 6.3399



2.6419, 3.4685, 0.5302

Inverse Universe

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



19.8307, 9.8224, 84.8600



19.1291, 7.8996, 95.1243



33.6133, 16.9277, 85.5050



15.1074, 15.3371, 19.8857



9.0419, 3.6667, 45.3590



0.8166, 0.3382, 3.7765

Previews

White Background



This preview shows how the XYZ color 59.9768, 77.9977, 14.4787 looks on a white background.

Color Contrast Check

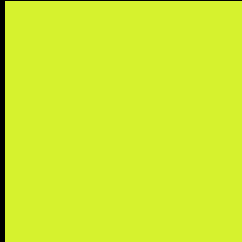
Large Text (above 18pt) WCAG AA × Fail

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 59.9768, 77.9977, 14.4787 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 59.9768, 77.9977, 14.4787

Background



This preview shows how black text looks on a background with the XYZ color 59.9768, 77.9977, 14.4787.



This preview shows how white text looks on a background with the XYZ color 59.9768, 77.9977,

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

59.9768, 77.9977, 14.4787

Protanopia

70.5638, 77.8204, 18.1392

Deuteranopia

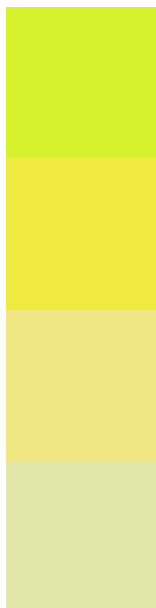
75.8659, 77.3306, 54.1078



Tritanopia

76.3816, 77.4773, 95.7229

Trichromacy



Original Color

59.9768, 77.9977, 14.4787

Protanomaly

66.3121, 77.7526, 16.5137

Deuteranomaly

68.3287, 76.7576, 32.6871

Tritanomaly

66.9779, 76.0997, 49.6867

Monochromacy



Original Color

59.9768, 77.9977, 14.4787

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

58.8586, 68.4740, 39.3928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9768, 77.9977, 14.4787 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(214, 242, 46)` looks like.

```
.text, #text, p{  
    color:rgb(214, 242, 46)  
}
```

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(214, 242, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 242, 46) }
```

Border

The CSS property to change the border of an element to XYZ 59.9768, 77.9977, 14.4787 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(214, 242, 46) }
```


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

```
.border{ border-color:rgb(214, 242, 46) }
```

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

Here you see how a box with a 4 pixel rgb(214, 242, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 242, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 242, 46);  
box-shadow:4px 4px 4px 4px rgb(214, 242,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9768, 77.9977, 14.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 242, 46) }
```

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

```
.background{ background-color: rgb(214,  
242, 46) }
```

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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