

Converting Colors

XYZ(60.3689, 78.3673, 11.9446)

Have a look what the booklet for
XYZ(60.3689, 78.3673, 11.9446)
contains.

XYZ(60.3674, 78.2560, 11.9232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(60.3674, 78.2560,
11.9232)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F200
RGB	217, 242, 0
RGB Percent	85%, 95%, 0%
CMY	0.1490, 0.0510, 0.9999
CMYK	0.10, 0.00, 1.00, 0.05
HSL	66°, 100%, 47%
HSV	66°, 100%, 95%
XYZ	60.3674, 78.2560, 11.9232
YIQ	206.9370, 62.7820, -80.5620

Conversions

Conversions Part 2

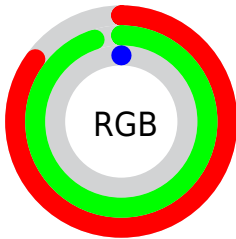
Format	Color
RYB	0, 242, 25
Decimal	14283264
CIELab	90.90, -30.97, 88.62
CIELCh	91, 93.876, 109.263
Yxy	78.2560, 0.4010, 0.5198
Android (android.graphics.Color)	4292473344 (0xFFD9F200)
YUV	206.9370, -102.0199, 8.8253
Hunter-Lab	88.4624, -32.9995, 53.9324

Details

The XYZ color **60.3674, 78.2560, 11.9232** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **16.4303, 6.6191, 84.4209**, and the grayscale version is **59.8804, 62.9989, 68.6058**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **31.4635, 42.2859, 6.5037** is the 20% darker color. If you saturate the color by 10%, you get **60.3679, 78.2590, 11.9238**, and if you desaturate by 10%, it is **61.2854, 78.7126, 12.8400**.

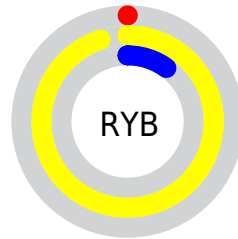
Distribution



Red (85%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (10%)

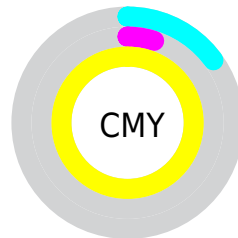


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (15%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.3674, 78.2560, 11.9232 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 60.3674, 78.2560, 11.9232 by changing the saturation by 10% instead.


 60.3674, 78.2560,
11.9232


 60.3674, 78.2560,
11.9232


415.7637,
489.0358, 214.8560

 43.9654, 58.2843,
6.5695


 104.4658,
130.9109, 30.0175


 30.8411, 42.0373,
3.1200


 132.8929,
164.3630, 43.5951


 20.6291, 29.1305,
1.1562


 166.0590,
203.0772, 60.7511

 12.9641, 19.1795,
0.0000

 204.3297,
247.4381, 81.9041

 7.4807, 11.8001,
0.0000

 248.0701,
297.8300, 107.4725

 3.8135, 6.6077,
0.0000

 297.6457,

 1.5972, 3.2180,

354.6373, 137.8749

0.0000

353.4218,
418.2445, 173.5299

■ 0.3906, 1.2466,
0.0000

■ 0.0000, 0.0993,
0.0000

■ 60.3674, 78.2560,
11.9232

■ 60.3674, 78.2560,
11.9232

■ 60.3679, 78.2590,
11.9238

■ 61.2854, 78.7126,
12.8400

■ 62.4211, 79.2547,
14.8515

■ 63.8410, 79.9118,
18.3001

■ 65.5837, 80.6994,
23.3895

67.6818, 81.6305,
30.2905

70.1637, 82.7164,
39.1525

73.0550, 83.9673,
50.1096

76.3788, 85.3927,
63.2840

80.1566, 87.0009,
78.7885

Harmonies

Analogous

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



83.1756, 78.2560, 10.6233



60.3674, 78.2560, 11.9232



44.9768, 78.2560, 25.3530

Triad

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



60.3674, 78.2560, 11.9232



48.4813, 78.2560, 226.8354



128.5843, 78.2560, 111.8397

Complementary

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



60.3674, 78.2560, 11.9232



16.4303, 6.6191, 84.4209

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.



114.4189, 78.2560, 201.5488



60.3674, 78.2560, 11.9232



66.2274, 78.2560, 287.8243

Square

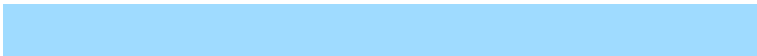
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.3674, 78.2560, 11.9232



39.1878, 78.2560, 135.7827



90.4087, 78.2560, 276.6930



126.0811, 78.2560, 49.0675

Rectangle

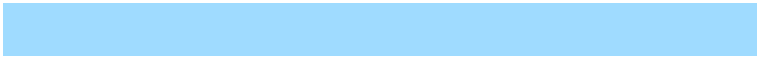
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3674, 78.2560, 11.9232



39.4495, 78.2560, 46.9200



90.4087, 78.2560, 276.6930



125.5130, 78.2560, 140.1244

Sweetspot

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



60.3692, 78.2596, 11.9248



82.2371, 94.5457, 56.2980



36.9517, 19.5413, 1.8253



17.2955, 20.1044, 10.8720



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.



60.3692, 78.2596, 11.9248



67.9604, 88.1199, 13.4270



36.6651, 66.0397, 10.8155



16.9526, 18.3712, 16.8022



32.4968, 42.0743, 6.4084



2.7494, 3.5239, 0.5353

Inverse Universe

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



16.4303, 6.6191, 84.4209



18.4851, 7.4443, 95.0704



27.7438, 12.4515, 84.9504



15.0488, 15.3069, 19.8830



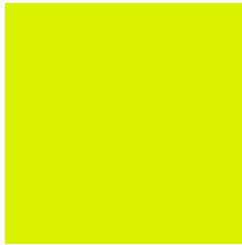
8.8779, 3.5821, 45.3514



0.7888, 0.3239, 3.7752

Previews

White Background



This preview shows how the XYZ color 60.3674, 78.2560, 11.9232 looks on a white background.

Color Contrast Check

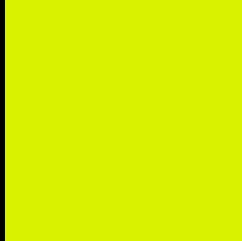
Large Text (above 18pt) WCAG AA × Fail

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 60.3674, 78.2560, 11.9232 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 60.3674, 78.2560, 11.9232

Background



This preview shows how black text looks on a background with the XYZ color 60.3674, 78.2560, 11.9232.



This preview shows how white text looks on a background with the XYZ color 60.3674, 78.2560,

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

60.3674, 78.2560, 11.9232

Protanopia

70.7445, 77.8927, 19.0907

Deuteranopia

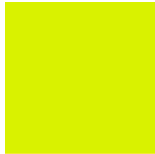
76.2361, 77.9075, 54.7356



Tritanopia

77.3638, 77.9837, 95.7689

Trichromacy



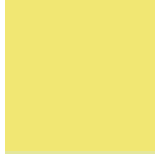
Original Color

60.3674, 78.2560, 11.9232



Protanomaly

66.3183, 77.7943, 14.7693



Deuteranomaly

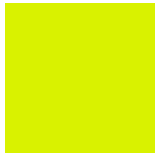
67.9461, 77.0904, 27.5185



Tritanomaly

66.4872, 76.0124, 42.1779

Monochromacy



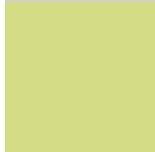
Original Color

60.3674, 78.2560, 11.9232



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.6220, 66.7012, 31.7201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3674, 78.2560, 11.9232 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(217, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 0)  
}
```

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(217, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 60.3674, 78.2560, 11.9232 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(217, 242, 0) }
```


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

```
.border{ border-color:rgb(217, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3674, 78.2560, 11.9232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 0) }
```

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

```
.background{ background-color: rgb(217,  
242, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor