

Converting Colors

XYZ(50.1898, 78.9588, 12.5953)

Have a look what the booklet for
XYZ(50.1898, 78.9588, 12.5953)
contains.

XYZ(50.2572, 78.9936, 12.5985)	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(50.2572, 78.9936,
12.5985)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FF00
RGB	160, 255, 0
RGB Percent	63%, 100%, 0%
CMY	0.3726, 0.0000, 0.9998
CMYK	0.37, 0.00, 1.00, 0.00
HSL	82°, 100%, 50%
HSV	82°, 100%, 100%
XYZ	50.2572, 78.9936, 12.5985
YIQ	197.5250, 25.2350, -99.4450

Conversions

Conversions Part 2

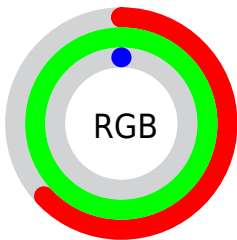
Format	Color
RYB	0, 255, 95
Decimal	10551040
CIELab	91.23, -57.89, 87.42
CIELCh	91, 104.851, 123.510
Yxy	78.9936, 0.3543, 0.5569
Android (android.graphics.Color)	4288741120 (0xFFA0FF00)
YUV	197.5250, -97.3798, -32.9094
Hunter-Lab	88.8783, -54.6024, 53.8105

Details

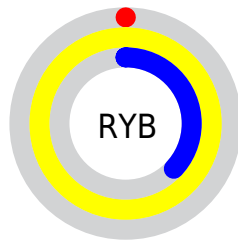
The XYZ color **50.2572, 78.9936, 12.5985** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **22.7741, 9.6560, 95.2712**, and the grayscale version is **53.9523, 56.7620, 61.8138**.

A 20% lighter version of the original color is **67.5992, 87.7003, 23.9547**, and **25.2311, 42.9848, 6.9671** is the 20% darker color. If you saturate the color by 10%, you get **50.2540, 78.9919, 12.5983**, and if you desaturate by 10%, it is **52.4112, 80.0831, 13.6458**.

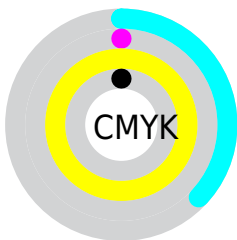
Distribution



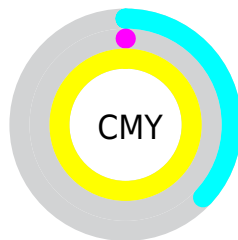
- Red (63%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (37%)



- Cyan (37%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2572, 78.9936, 12.5985 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 50.2572, 78.9936, 12.5985 by changing the saturation by 10% instead.

 50.2572, 78.9936,
12.5985


 50.2572, 78.9936,
12.5985


378.1063,
491.5347, 219.4449

 35.8364, 58.8905,
7.0252


 89.7454, 131.9499,
31.2611

 24.4774, 42.5250,
3.3992


 115.5435,
165.5718, 45.1875


 15.8148, 29.5126,
1.3019


 145.8648,
204.4689, 62.7353

 9.4832, 19.4689,
0.0633

 181.0746,
249.0255, 84.3231

 5.1173, 12.0096,
0.0000

 221.5383,
299.6260, 110.3694

 2.3517, 6.7502,
0.0000

 267.6213,

 0.8209, 3.3064,

356.6547, 141.2928

0.0000

319.6888,
420.4962, 177.5118

■ 0.0000, 1.2937,
0.0000

■ 0.0000, 0.1363,
0.0000

■ 50.2572, 78.9936,
12.5985

■ 50.2572, 78.9936,
12.5985

■ 50.2540, 78.9919,
12.5983

■ 52.4112, 80.0831,
13.6458

■ 54.9494, 81.3434,
15.9414

■ 57.9468, 82.8049,
19.8653

■ 61.4505, 84.4867,
25.6498

65.5002, 86.4050,
33.4897

70.1311, 88.5743,
43.5550

75.3747, 91.0075,
55.9984

81.2601, 93.7165,
70.9588

87.8142, 96.7124,
88.5645

Harmonies

Analogous

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



71.9962, 78.9936, 7.0281



50.2572, 78.9936, 12.5985



38.0059, 78.9936, 35.8573

Triad

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



50.2572, 78.9936, 12.5985



54.5181, 78.9936, 294.7106



138.5010, 78.9936, 77.3595

Complementary

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



50.2572, 78.9936, 12.5985



22.7741, 9.6560, 95.2712

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.



130.7264, 78.9936, 169.1872



50.2572, 78.9936, 12.5985



78.2527, 78.9936, 330.3532

Square

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



50.2572, 78.9936, 12.5985



40.0275, 78.9936, 194.7347



106.9707, 78.9936, 274.8149



126.2512, 78.9936, 27.8764

Rectangle

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



50.2572, 78.9936, 12.5985



34.8955, 78.9936, 70.5073



106.9707, 78.9936, 274.8149



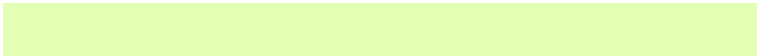
138.1529, 78.9936, 103.6346

Sweetspot

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



50.2573, 78.9936, 12.5996



75.3657, 91.0034, 55.9764



45.2009, 29.1815, 3.2514



15.6419, 19.2519, 10.7946



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.



50.2573, 78.9936, 12.5996



50.2540, 78.9919, 12.5983



36.4211, 71.8608, 11.9521



18.8668, 20.7328, 19.1518



26.4294, 41.3630, 6.5909



2.6942, 4.0897, 0.6474

Inverse Universe

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



22.7741, 9.6560, 95.2712



22.7710, 9.6538, 95.2709



47.8709, 22.5939, 96.4457



17.6424, 17.7074, 22.7380



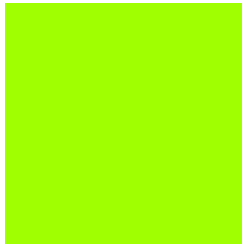
12.0493, 5.1221, 49.7882



1.2892, 0.5585, 4.8531

Previews

White Background



This preview shows how the XYZ color 50.2572, 78.9936, 12.5985 looks on a white background.

Color Contrast Check

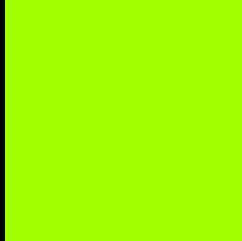
Large Text (above 18pt) WCAG AA × Fail

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 50.2572, 78.9936, 12.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

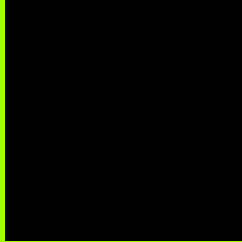
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2572, 78.9936, 12.5985

Background



This preview shows how black text looks on a background with the XYZ color 50.2572, 78.9936, 12.5985.



This preview shows how white text looks on a background with the XYZ color 50.2572, 78.9936,

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

50.2572, 78.9936, 12.5985

Protanopia

70.7823, 77.9078, 19.2897

Deuteranopia

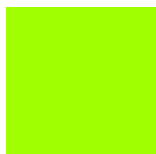
76.3392, 77.9487, 55.2781



Tritanopia

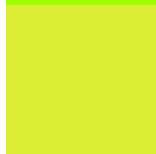
69.3205, 78.6072, 106.1269

Trichromacy



Original Color

50.2572, 78.9936, 12.5985



Protanomaly

60.7096, 76.6126, 14.8368



Deuteranomaly

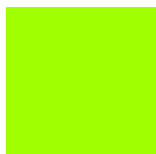
62.3759, 75.8933, 27.8843



Tritanomaly

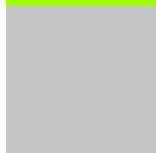
57.2324, 76.7750, 45.9850

Monochromacy



Original Color

50.2572, 78.9936, 12.5985



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.8646, 62.3597, 29.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2572, 78.9936, 12.5985 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(160, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 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(160, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.2572, 78.9936, 12.5985 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(160, 255, 0) }
```


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

```
.border{ border-color:rgb(160, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2572, 78.9936, 12.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 0) }
```

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

```
.background{ background-color: rgb(160,  
255, 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