

Converting Colors

XYZ(48.3358, 78.0002, 12.5079)

Have a look what the booklet for
XYZ(48.3358, 78.0002, 12.5079)
contains.

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Color

**XYZ(48.3377, 78.0040,
12.5086)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF00
RGB	150, 255, 0
RGB Percent	59%, 100%, 0%
CMY	0.4118, 0.0000, 0.9998
CMYK	0.41, 0.00, 1.00, 0.00
HSL	85°, 100%, 50%
HSV	85°, 100%, 100%
XYZ	48.3377, 78.0040, 12.5086
YIQ	194.5350, 19.2750, -101.5650

Conversions

Conversions Part 2

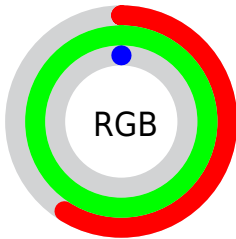
Format	Color
RYB	0, 255, 105
Decimal	9895680
CIELab	90.78, -61.16, 86.88
CIELCh	91, 106.250, 125.145
Yxy	78.0040, 0.3481, 0.5618
Android (android.graphics.Color)	4288085760 (0xFF96FF00)
YUV	194.5350, -95.9058, -39.0572
Hunter-Lab	88.3199, -56.8663, 53.4268

Details

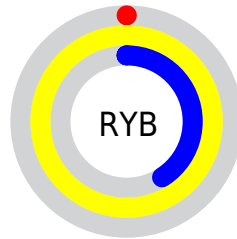
The XYZ color **48.3377, 78.0040, 12.5086** is a dark color, and the websafe version is hex **99FF00**, and the color name is **mango green**. The color can be described as middle saturated chartreuse. A complement of this color would be **23.8807, 10.2265, 95.3230**, and the grayscale version is **52.1420, 54.8575, 59.7398**.

A 20% lighter version of the original color is **64.6443, 86.1770, 23.8164**, and **23.8967, 41.9587, 6.8394** is the 20% darker color. If you saturate the color by 10%, you get **48.3347, 78.0025, 12.5085**, and if you desaturate by 10%, it is **50.5390, 79.1179, 13.5581**.

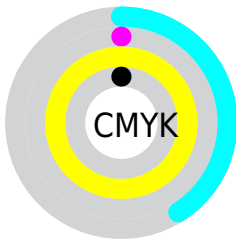
Distribution



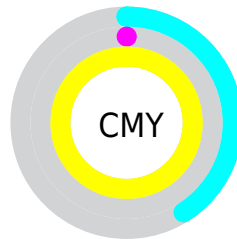
- Red (59%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (41%)



- Cyan (41%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3377, 78.0040, 12.5086 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 48.3377, 78.0040, 12.5086 by changing the saturation by 10% instead.


 48.3377, 78.0040,
12.5086

 48.3377, 78.0040,
12.5086


370.6895,
488.1804, 218.8400


 34.3068, 58.0773,
6.9643


 86.9136, 130.5558,
31.0962

 23.2934, 41.8708,
3.3617


 112.1894,
163.9496, 44.9767


 14.9322, 29.0001,
1.2822


 141.9441,
202.6012, 62.4729

 8.8578, 19.0809,
0.0471

 176.5431,
246.8950, 84.0035

 4.7049, 11.7288,
0.0000

 216.3518,
297.2155, 109.9869

 2.1081, 6.5593,
0.0000

 261.7355,

 0.6936, 3.1880,

353.9469, 140.8418

0.0000

313.0596,
417.4738, 176.9866

■ 0.0000, 1.2307,
0.0000

■ 0.0000, 0.0865,
0.0000

■ 48.3377, 78.0040,
12.5086

■ 48.3377, 78.0040,
12.5086

■ 48.3347, 78.0025,
12.5085

■ 50.5390, 79.1179,
13.5581

■ 53.1536, 80.4176,
15.8571

■ 56.2579, 81.9342,
19.7859

■ 59.9000, 83.6874,
25.5767

■ 64.1208, 85.6939,
33.4244

■ 68.9563, 87.9688,
43.4992

■ 74.4393, 90.5253,
55.9536

■ 80.5997, 93.3761,
70.9266

■ 87.4653, 96.5326,
88.5467

Harmonies

Analogous

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



69.6310, 78.0040, 6.5297



48.3377, 78.0040, 12.5086



36.6288, 78.0040, 36.9055

Triad

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



48.3377, 78.0040, 12.5086



54.5851, 78.0040, 300.4267



137.9371, 78.0040, 72.4178

Complementary

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



48.3377, 78.0040, 12.5086



23.8807, 10.2265, 95.3230

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.



131.1695, 78.0040, 162.9474



48.3377, 78.0040, 12.5086



78.8406, 78.0040, 331.6989

Square

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



48.3377, 78.0040, 12.5086



39.5821, 78.0040, 200.8152



107.7984, 78.0040, 270.8432



124.5492, 78.0040, 25.2926

Rectangle

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



48.3377, 78.0040, 12.5086



33.8453, 78.0040, 73.0850



107.7984, 78.0040, 270.8432



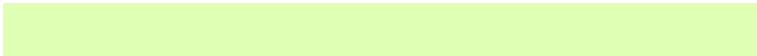
137.9713, 78.0040, 97.9972

Sweetspot

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



48.3378, 78.0041, 12.5097



74.4304, 90.5212, 55.9326



45.9939, 30.7674, 3.5157



15.4191, 19.1371, 10.7842



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.



48.3378, 78.0041, 12.5097



48.3347, 78.0025, 12.5085



36.1744, 71.7336, 11.9405



18.7956, 20.6961, 19.1484



25.4297, 40.8476, 6.5441



2.6002, 4.0412, 0.6430

Inverse Universe

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



23.8807, 10.2265, 95.3230



23.8776, 10.2242, 95.3227



50.5246, 23.9619, 96.5699



17.7115, 17.7430, 22.7412



12.6362, 5.4247, 49.8157



1.3508, 0.5903, 4.8560

Previews

White Background



This preview shows how the XYZ color 48.3377, 78.0040, 12.5086 looks on a white background.

Color Contrast Check

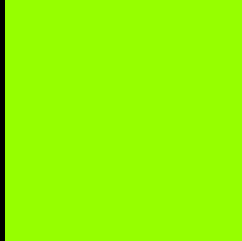
Large Text (above 18pt) WCAG AA × Fail

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 48.3377, 78.0040, 12.5086 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 48.3377, 78.0040, 12.5086

Background



This preview shows how black text looks on a background with the XYZ color 48.3377, 78.0040, 12.5086.

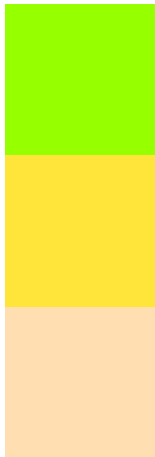


This preview shows how white text looks on a background with the XYZ color 48.3377, 78.0040,

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

48.3377, 78.0040, 12.5086

Protanopia

69.7219, 77.0422, 15.0668

Deuteranopia

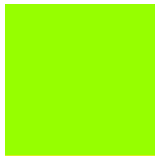
75.2971, 76.6769, 52.4265



Tritanopia

67.3902, 77.6121, 106.0365

Trichromacy



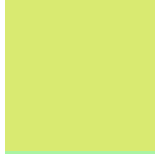
Original Color

48.3377, 78.0040, 12.5086



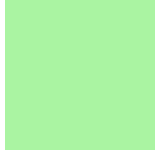
Protanomaly

59.5082, 76.0282, 13.2076



Deuteranomaly

61.0187, 74.7896, 26.8426



Tritanomaly

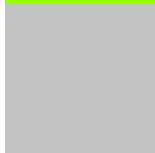
55.4498, 75.8560, 45.9016

Monochromacy



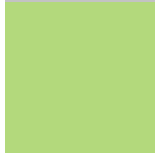
Original Color

48.3377, 78.0040, 12.5086



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.0414, 60.6647, 28.2989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3377, 78.0040, 12.5086 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(150, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.3377, 78.0040, 12.5086 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(150, 255, 0) }
```


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

```
.border{ border-color:rgb(150, 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(150, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3377, 78.0040, 12.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 0) }
```

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

```
.background{ background-color: rgb(150,  
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](#).

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