

Converting Colors

XYZ(40.0678, 61.4676, 33.1086)

Have a look what the booklet for
XYZ(40.0678, 61.4676, 33.1086)
contains.

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Color

**XYZ(39.9331, 61.2574,
33.0117)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78E488 |
| RGB | 120, 228, 136 |
| RGB Percent | 47%, 89%, 53% |
| CMY | 0.5294, 0.1059, 0.4667 |
| CMYK | 0.47, 0.00, 0.40, 0.11 |
| HSL | 129°, 67%, 68% |
| HSV | 129°, 47%, 89% |
| XYZ | 39.9331, 61.2574, 33.0117 |
| YIQ | 185.2200, -34.8360, -51.5080 |

Conversions

Conversions Part 2

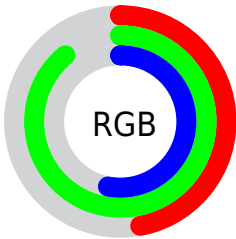
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 120, 214, 228 |
| Decimal | 7922824 |
| CIELab | 82.52, -50.16, 35.50 |
| CIElCh | 83, 61.447, 144.711 |
| Yxy | 61.2574, 0.2976, 0.4565 |
| Android (android.graphics.Color) | 4286112904 (0xFF78E488) |
| YUV | 185.2200, -24.2655, -57.1979 |
| Hunter-Lab | 78.2671, -45.8939, 29.7795 |

Details

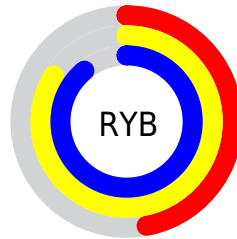
The XYZ color **39.9331, 61.2574, 33.0117** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.5970, 34.6817, 66.3171**, and the grayscale version is **46.3827, 48.7982, 53.1413**.

A 20% lighter version of the original color is **63.4144, 84.7027, 61.7222**, and **18.3167, 31.1530, 13.6421** is the 20% darker color. If you saturate the color by 10%, you get **35.8820, 59.3161, 26.2584**, and if you desaturate by 10%, it is **44.9902, 63.6920, 41.1204**.

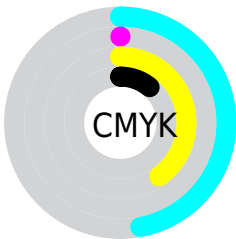
Distribution



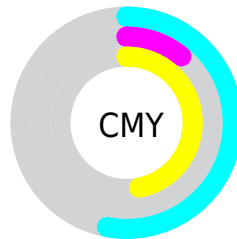
- Red (47%)
- Green (89%)
- Blue (53%)



- Red (47%)
- Yellow (84%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)





- Cyan (53%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9331, 61.2574, 33.0117 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 39.9331, 61.2574, 33.0117 by changing the saturation by 10% instead.


 39.9331, 61.2574,
33.0117


 39.9331, 61.2574,
33.0117


336.9808,
429.2171, 330.3361


 27.6704, 44.4329,
21.8642


 74.3466, 106.6515,
65.5100

 18.2165, 31.0110,
13.5598


 97.2281, 135.9900,
87.6979

 11.2062, 20.6072,
7.6799


 124.3799,
170.2686, 114.4031

 6.2740, 12.8372,
3.8060

156.1673,
209.8717, 146.0440

 3.0546, 7.3165,
1.5195

192.9558,
255.1837, 183.0392

 1.1827, 3.6608,
0.2324

235.1106,

 0.0927, 1.4857,

306.5890, 225.8073

0.0000

282.9972,
364.4720, 274.7667

■ 0.0000, 0.2786,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9331, 61.2574,
33.0117

■ 39.9331, 61.2574,
33.0117

■ 35.8820, 59.3161,
26.2584

■ 44.9902, 63.6920,
41.1204

■ 32.7646, 57.8269,
20.7827


■ 51.1102, 66.6424,
50.6485


■ 30.5059, 56.7549,
16.5050


■ 58.3510, 70.1389,
61.6608


■ 29.0173, 56.0561,
13.3353


■ 66.7652, 74.2074,
74.2172

 28.1840, 55.6736,
11.1705

 76.4020, 78.8720,
88.3740

 28.0301, 55.6033,
10.7519

 86.6406, 83.8115,
104.1535

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



48.2833, 61.2574, 20.1836



39.9331, 61.2574, 33.0117



36.5077, 61.2574, 60.2466

Triad

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



39.9331, 61.2574, 33.0117



55.9245, 61.2574, 167.8596



84.3347, 61.2574, 40.7836

Complementary

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



39.9331, 61.2574, 33.0117



50.5970, 34.6817, 66.3171

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.



87.1917, 61.2574, 73.5961



39.9331, 61.2574, 33.0117



69.4417, 61.2574, 156.4348

Square

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



39.9331, 61.2574, 33.0117



44.8084, 61.2574, 144.9495



81.3872, 61.2574, 117.8649



74.0795, 61.2574, 23.3429

Rectangle

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



39.9331, 61.2574, 33.0117



37.0384, 61.2574, 86.8219



81.3872, 61.2574, 117.8649



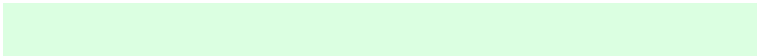
86.2514, 61.2574, 49.9534

Sweetspot

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



39.9346, 61.2600, 33.0131



78.5984, 92.0405, 84.5636



58.7509, 71.0818, 28.3935



16.3395, 19.4666, 17.3745



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.



39.9346, 61.2600, 33.0131



46.2561, 76.4563, 33.8577



44.6112, 63.1306, 57.6394



14.2759, 16.1238, 15.7177



16.2115, 32.1167, 6.3483



1.2252, 2.3842, 0.6126

Inverse Universe

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



50.5970, 34.6817, 66.3171



61.5529, 38.2464, 81.5785



45.0234, 32.4522, 36.9667



14.8985, 14.5766, 17.6659



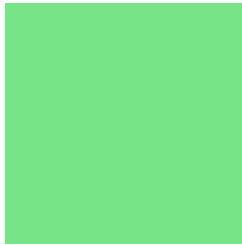
24.1470, 11.7930, 30.7330



1.8095, 0.8815, 2.4032

Previews

White Background



This preview shows how the XYZ color 39.9331, 61.2574, 33.0117 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 39.9331, 61.2574, 33.0117 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 39.9331, 61.2574, 33.0117

Background



This preview shows how black text looks on a background with the XYZ color 39.9331, 61.2574, 33.0117.



This preview shows how white text looks on a background with the XYZ color 39.9331, 61.2574,

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

39.9331, 61.2574, 33.0117

Protanopia

55.8551, 60.4060, 28.7943

Deuteranopia

61.5113, 60.0985, 34.7437



Tritanopia

50.5625, 60.8030, 86.9131

Trichromacy



Original Color

39.9331, 61.2574, 33.0117



Protanomaly

48.0732, 59.6393, 30.0969



Deuteranomaly

50.4092, 58.5545, 33.8446



Tritanomaly

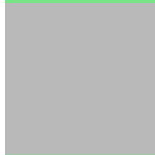
45.6178, 60.3319, 62.6670

Monochromacy



Original Color

39.9331, 61.2574, 33.0117



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.5596, 52.1404, 44.3802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9331, 61.2574, 33.0117 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(120, 228, 136)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 136)  
}
```

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(120, 228, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 136) }
```

Border

The CSS property to change the border of an element to XYZ 39.9331, 61.2574, 33.0117 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(120, 228, 136) }
```


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

```
.border{ border-color:rgb(120, 228, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 228, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 228, 136); box-shadow:4px 4px 4px 4px rgb(120, 228, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9331, 61.2574, 33.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 136) }
```

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

```
.background{ background-color: rgb(120,  
228, 136) }
```

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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