

Converting Colors

XYZ(43.1134, 66.2522, 39.5167)

Have a look what the booklet for
XYZ(43.1134, 66.2522, 39.5167)
contains.

XYZ(42.9717, 66.0445, 39.3372)	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(42.9717, 66.0445,
39.3372)**

Conversions

Conversions Part 1

Format	Color
Hex	76EC96
RGB	118, 236, 150
RGB Percent	46%, 93%, 59%
CMY	0.5372, 0.0745, 0.4118
CMYK	0.50, 0.00, 0.36, 0.07
HSL	136°, 76%, 69%
HSV	136°, 50%, 93%
XYZ	42.9717, 66.0445, 39.3372
YIQ	190.9140, -42.7220, -51.7620

Conversions

Conversions Part 2

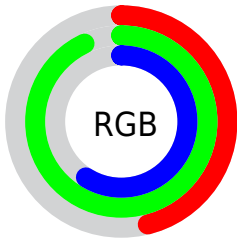
Format	Color
RYB	118, 211, 236
Decimal	7793814
CIELab	85.02, -51.67, 31.73
CIELCh	85, 60.637, 148.451
Yxy	66.0445, 0.2897, 0.4452
Android (android.graphics.Color)	4285983894 (0xFF76EC96)
YUV	190.9140, -20.1706, -63.9456
Hunter-Lab	81.2678, -47.8337, 28.1885

Details

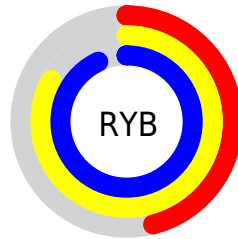
The XYZ color **42.9717, 66.0445, 39.3372** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.9717, 35.1507, 61.1745**, and the grayscale version is **49.6038, 52.1871, 56.8317**.

A 20% lighter version of the original color is **64.6839, 85.1579, 70.7855**, and **19.9556, 33.9628, 17.0590** is the 20% darker color. If you saturate the color by 10%, you get **38.8741, 64.0824, 32.4390**, and if you desaturate by 10%, it is **48.0777, 68.5066, 47.3468**.

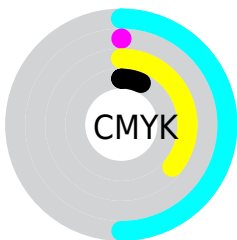
Distribution



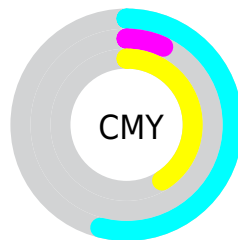
- Red (46%)
- Green (93%)
- Blue (59%)



- Red (46%)
- Yellow (83%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)




- Cyan (54%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9717, 66.0445, 39.3372 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 42.9717, 66.0445, 39.3372 by changing the saturation by 10% instead.


 42.9717, 66.0445,
39.3372


 42.9717, 66.0445,
39.3372


349.4189,
446.5360, 358.7907


 30.0573, 48.3085,
26.7123


 78.9241, 113.5502,
75.3792

 20.0304, 34.0713,
17.1267


 102.6929,
144.0887, 99.6333

 12.5255, 22.9484,
10.1620


 130.8105,
179.6635, 128.6010

 7.1774, 14.5554,
5.3995

163.6424,
220.6591, 162.7007

 3.6206, 8.5079,
2.4207

201.5538,
267.4597, 202.3510

 1.4898, 4.4217,
0.7977

244.9101,

 0.3189, 1.9121,

320.4498, 247.9704

0.0000

294.0767,
380.0138, 299.9774

■ 0.0000, 0.5556,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9717, 66.0445,
39.3372

■ 42.9717, 66.0445,
39.3372

■ 38.8741, 64.0824,
32.4390

■ 48.0777, 68.5066,
47.3468

■ 35.7100, 62.5772,
26.5984


■ 54.2500, 71.4922,
56.5094


■ 33.4019, 61.4920,
21.7636

■ 61.5479, 75.0326,
66.8701

■ 31.8567, 60.7799,
17.8769

■ 70.0249, 79.1547,
78.4701

 30.9222, 60.3637,
14.8723

 79.7310, 83.8834,
91.3488

 88.9989, 88.3583,
105.4634

 89.2867, 88.4735,
106.9789

Harmonies

Analogous

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



51.0899, 66.0445, 24.0265



42.9717, 66.0445, 39.3372



40.0378, 66.0445, 69.9003

Triad

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



42.9717, 66.0445, 39.3372



62.0672, 66.0445, 176.1511



88.7695, 66.0445, 41.7362

Complementary

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



42.9717, 66.0445, 39.3372



51.9717, 35.1507, 61.1745

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.



92.8077, 66.0445, 73.9604



42.9717, 66.0445, 39.3372



76.1145, 66.0445, 160.2230

Square

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



42.9717, 66.0445, 39.3372



50.0272, 66.0445, 156.7848



87.8795, 66.0445, 118.8022



77.5191, 66.0445, 25.0172

Rectangle

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



42.9717, 66.0445, 39.3372



41.0378, 66.0445, 98.3978



87.8795, 66.0445, 118.8022



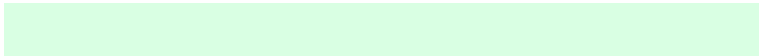
91.0813, 66.0445, 50.6632

Sweetspot

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



42.9734, 66.0472, 39.3387



78.1831, 91.7863, 86.3579



58.3161, 74.2149, 28.3914



16.2839, 19.4270, 17.8652



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.



42.9734, 66.0472, 39.3387



46.2348, 76.3429, 38.4812



48.9113, 68.4224, 70.6074



15.0361, 16.9293, 16.8730



17.0905, 33.2907, 8.4416



1.3812, 2.6298, 0.8691

Inverse Universe

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



51.9717, 35.1507, 61.1745



58.0662, 35.5927, 67.0992



46.2244, 32.8518, 30.9098



15.5304, 15.2400, 18.0782



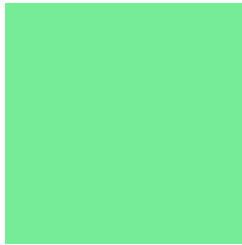
23.2293, 11.4944, 22.8067



1.8640, 0.9185, 2.0009

Previews

White Background



This preview shows how the XYZ color 42.9717, 66.0445, 39.3372 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 42.9717, 66.0445, 39.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

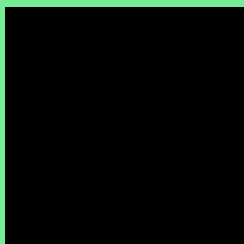
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9717, 66.0445, 39.3372

Background



This preview shows how black text looks on a background with the XYZ color 42.9717, 66.0445, 39.3372.



This preview shows how white text looks on a background with the XYZ color 42.9717, 66.0445,

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

42.9717, 66.0445, 39.3372

Protanopia

60.3410, 65.1400, 34.2039

Deuteranopia

66.3590, 64.8494, 41.3674



Tritanopia

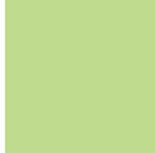
54.0874, 65.9842, 94.6795

Trichromacy



Original Color

42.9717, 66.0445, 39.3372



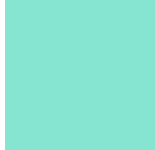
Protanomaly

51.6135, 64.0188, 36.0221



Deuteranomaly

54.0504, 62.8772, 40.2981



Tritanomaly

49.2008, 65.6286, 70.3960

Monochromacy



Original Color

42.9717, 66.0445, 39.3372



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.4591, 55.6527, 49.4204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9717, 66.0445, 39.3372 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(118, 236, 150)` looks like.

```
.text, #text, p{  
    color:rgb(118, 236, 150)  
}
```

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(118, 236, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 236, 150) }
```

Border

The CSS property to change the border of an element to XYZ 42.9717, 66.0445, 39.3372 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(118, 236, 150) }
```


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

```
.border{ border-color:rgb(118, 236, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 236, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 236, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 236, 150);  
box-shadow:4px 4px 4px 4px rgb(118, 236,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9717, 66.0445, 39.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 236, 150) }
```

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

```
.background{ background-color: rgb(118,  
236, 150) }
```

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