

Converting Colors

XYZ(41.9864, 39.5335,
100.0256)

Have a look what the booklet for
XYZ(41.9864, 39.5335, 100.0256)
contains.

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Color

**XYZ(41.9864, 39.5335,
100.0256)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA5FF
RGB	138, 165, 255
RGB Percent	54%, 65%, 100%
CMY	0.4588, 0.3529, 0.0000
CMYK	0.46, 0.35, 0.00, 0.00
HSL	226°, 100%, 77%
HSV	226°, 46%, 100%
XYZ	41.9864, 39.5335, 100.0256
YIQ	167.1870, -44.9820, 22.2660

Conversions

Conversions Part 2

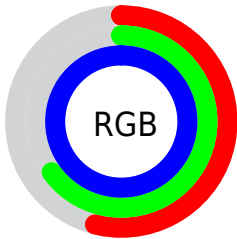
Format	Color
RYB	138, 160, 255
Decimal	9086463
CIELab	69.14, 13.83, -47.64
CIELCh	69, 49.604, 286.191
Yxy	39.5335, 0.2313, 0.2178
Android (android.graphics.Color)	4287276543 (0xFF8AA5FF)
YUV	167.1870, 43.2918, -25.5970
Hunter-Lab	62.8757, 9.1643, -50.3084

Details

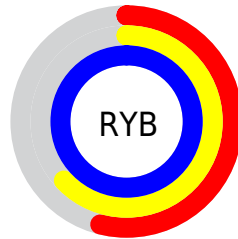
The XYZ color **41.9864, 39.5335, 100.0256** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.5722, 78.5838, 35.3374**, and the grayscale version is **36.6343, 38.5421, 41.9724**.

A 20% lighter version of the original color is **66.4081, 70.1422, 104.6464**, and **19.5186, 17.8173, 55.8364** is the 20% darker color. If you saturate the color by 10%, you get **34.9812, 31.0671, 98.7606**, and if you desaturate by 10%, it is **50.5272, 49.5984, 101.5181**.

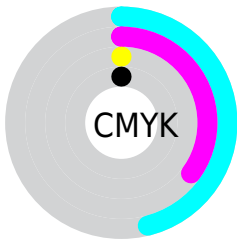
Distribution



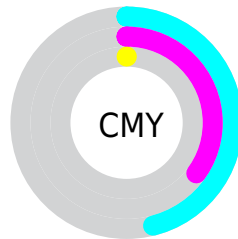
- Red (54%)
- Green (65%)
- Blue (100%)



- Red (54%)
- Yellow (63%)
- Blue (100%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9864, 39.5335, 100.0256 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 41.9864, 39.5335, 100.0256 by changing the saturation by 10% instead.

■ 41.9864, 39.5335,
100.0256

■ 41.9864, 39.5335,
100.0256

345.4191,
344.1534, 581.5221

■ 29.2817, 27.1750,
75.7049

■ 77.4443, 74.4526,
163.2445

■ 19.4394, 17.7047,
55.6854

■ 100.9283, 97.7820,
202.9799

■ 12.0941, 10.7382,
39.5484

128.7360,
125.5372, 248.6905

■ 6.8804, 5.8911,
26.8755

161.2329,
158.1026, 300.7950

■ 3.4331, 2.7790,
17.2481

198.7843,
195.8625, 359.7119

■ 1.3867, 1.0174,
10.2477

241.7556,

■ 0.2467, 0.0000,

239.2013, 425.8596

5.4558

290.5121,
288.5035, 499.6569

■ 0.0000, 0.0000,
2.4537

■ 0.0000, 0.0000,
0.8155

■ 41.9864, 39.5335,
100.0256

■ 41.9864, 39.5335,
100.0256

■ 34.9812, 31.0671,
98.7606

■ 50.5272, 49.5984,
101.5181

■ 29.4126, 24.1096,
97.7112

■ 60.6862, 61.3366,
103.2484

■ 25.1757, 18.5682,
96.8649

■ 72.5447, 74.8229,
105.2265

■ 22.1487, 14.3371,
96.2077

■ 86.1772, 90.1265,
107.4619

■ 20.1841, 11.2930,
95.7237

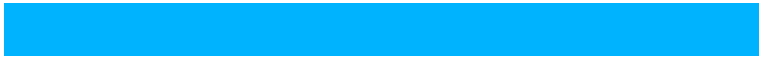
95.0500, 100.0000,
108.9000

■ 19.6058, 10.3317,
95.5686

Harmonies

Analogous

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



34.0545, 39.5335, 100.8515



41.9864, 39.5335, 100.0256



49.6792, 39.5335, 80.8731

Triad

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



41.9864, 39.5335, 100.0256



49.1416, 39.5335, 18.6086



24.6356, 39.5335, 33.4467

Complementary

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



41.9864, 39.5335, 100.0256



73.5722, 78.5838, 35.3374

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.



27.6170, 39.5335, 19.3517



41.9864, 39.5335, 100.0256



41.3310, 39.5335, 13.0530

Square

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



41.9864, 39.5335, 100.0256



54.1904, 39.5335, 31.9875



33.4847, 39.5335, 13.2661



24.7595, 39.5335, 56.3962

Rectangle

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



41.9864, 39.5335, 100.0256



53.3113, 39.5335, 63.1746



33.4847, 39.5335, 13.2661



25.2876, 39.5335, 27.7225

Sweetspot

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



41.9877, 39.5349, 100.0257



74.9702, 77.5595, 105.6269



60.2043, 82.5086, 85.9342



15.4521, 15.9299, 22.5103



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.



41.9877, 39.5349, 100.0257



35.5387, 31.7505, 98.8631



43.5453, 33.8562, 98.8476



17.3431, 18.0577, 22.8214



10.3371, 5.5838, 49.9675



1.0851, 0.7009, 4.8914

Inverse Universe

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



57.1210, 42.1553, 40.7246



52.6176, 35.5747, 31.7436



71.0268, 89.1707, 37.5151



18.1811, 18.0557, 19.5706



22.0059, 11.2916, 3.4155



2.1823, 1.1153, 0.5414

Previews

White Background



This preview shows how the XYZ color 41.9864, 39.5335, 100.0256 looks on a white background.

Color Contrast Check

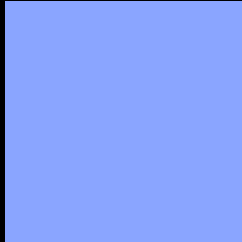
Large Text (above 18pt) WCAG AA × Fail

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 41.9864, 39.5335, 100.0256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

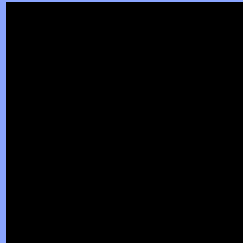
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9864, 39.5335, 100.0256

Background



This preview shows how black text looks on a background with the XYZ color 41.9864, 39.5335, 100.0256.



This preview shows how white text looks on a background with the XYZ color 41.9864, 39.5335,

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

41.9864, 39.5335, 100.0256

Protanopia

41.8217, 39.4486, 100.0178

Deuteranopia

40.7941, 39.7502, 99.2884



Tritanopia

33.1806, 39.6396, 55.7716

Trichromacy



Original Color

41.9864, 39.5335, 100.0256

Protanomaly

41.8217, 39.4486, 100.0178

Deuteranomaly

41.2238, 39.6987, 99.2558

Tritanomaly

35.9617, 39.3055, 69.9813

Monochromacy



Original Color

41.9864, 39.5335, 100.0256

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6553, 38.4639, 59.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9864, 39.5335, 100.0256 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(138, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 165, 255)  
}
```

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(138, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9864, 39.5335, 100.0256 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(138, 165, 255) }
```


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

```
.border{ border-color:rgb(138, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9864, 39.5335, 100.0256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 165, 255) }
```

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

```
.background{ background-color: rgb(138,  
165, 255) }
```

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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