

Converting Colors

XYZ(54.0786, 45.9108,
146.7864)

Have a look what the booklet for
XYZ(54.0786, 45.9108, 146.7864)
contains.

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Color

**XYZ(45.1869, 42.2713,
100.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	98A9FF
RGB	152, 169, 255
RGB Percent	60%, 66%, 100%
CMY	0.4039, 0.3372, 0.0000
CMYK	0.40, 0.34, 0.00, 0.00
HSL	230°, 100%, 80%
HSV	230°, 40%, 100%
XYZ	45.1869, 42.2713, 100.3853
YIQ	173.7210, -37.7380, 23.1420

Conversions

Conversions Part 2

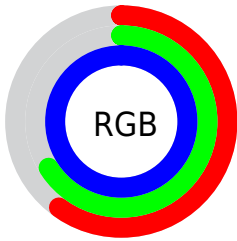
Format	Color
RYB	152, 167, 255
Decimal	10004991
CIELab	71.06, 14.99, -44.56
CIELCh	71, 47.010, 288.593
Yxy	42.2713, 0.2406, 0.2250
Android (android.graphics.Color)	4288195071 (0xFF98A9FF)
YUV	173.7210, 40.0705, -19.0493
Hunter-Lab	65.0164, 10.2802, -46.0323

Details

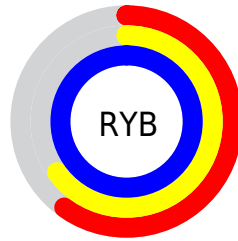
The XYZ color **45.1869, 42.2713, 100.3853** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.4831, 84.6776, 41.9685**, and the grayscale version is **39.9053, 41.9835, 45.7200**.

A 20% lighter version of the original color is **71.0001, 74.0866, 105.1658**, and **21.3782, 19.2866, 56.0220** is the 20% darker color. If you saturate the color by 10%, you get **37.2735, 32.7834, 98.9710**, and if you desaturate by 10%, it is **54.7740, 53.5810, 102.0630**.

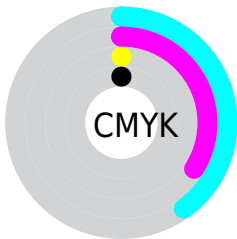
Distribution



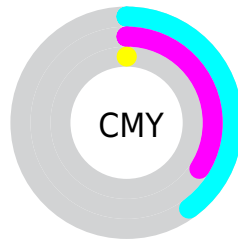
- Red (60%)
- Green (66%)
- Blue (100%)



- Red (60%)
- Yellow (65%)
- Blue (100%)



- Cyan (40%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1869, 42.2713, 100.3853 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 45.1869, 42.2713, 100.3853 by changing the saturation by 10% instead.

■ 45.1869, 42.2713,
100.3853

■ 45.1869, 42.2713,
100.3853

358.3010,
355.6063, 582.6845

■ 31.8066, 29.3138,
76.0037

■ 82.2361, 78.6101,
163.7431

■ 21.3686, 19.3183,
55.9289

■ 106.6358,
102.7601, 203.5563

■ 13.5077, 11.9005,
39.7423

135.4392,
131.4098, 249.3505

■ 7.8585, 6.6760,
27.0254

169.0118,
164.9435, 301.5441

■ 4.0556, 3.2603,
17.3597

207.7189,
203.7456, 360.5558

■ 1.7336, 1.2691,
10.3266

251.9259,

■ 0.4772, 0.1171,

248.2005, 426.8041

5.5076

301.9981,
298.6926, 500.7075

■ 0.0000, 0.0000,
2.4842

■ 0.0000, 0.0000,
0.8318

■ 45.1869, 42.2713,
100.3853

■ 45.1869, 42.2713,
100.3853

■ 37.2735, 32.7834,
98.9710

■ 54.7740, 53.5810,
102.0630

■ 30.9320, 25.0162,
97.8061

■ 66.1200, 66.7974,
104.0160

■ 26.0559, 18.8655,
96.8759

■ 79.3096, 82.0052,
106.2563

■ 22.5233, 14.2135,
96.1641

■ 94.4204, 99.2828,
108.7948

■ 20.1912, 10.9252,
95.6523

95.0500, 100.0000,
108.9000

■ 18.8809, 8.8819,
95.3270

Harmonies

Analogous

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



37.2645, 42.2713, 102.7630



45.1869, 42.2713, 100.3853



52.6004, 42.2713, 80.9629

Triad

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



45.1869, 42.2713, 100.3853



51.0152, 42.2713, 20.6138



27.1192, 42.2713, 37.9920

Complementary

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



45.1869, 42.2713, 100.3853



77.4831, 84.6776, 41.9685

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.



29.8831, 42.2713, 22.9395



45.1869, 42.2713, 100.3853



43.2387, 42.2713, 15.3178

Square

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



45.1869, 42.2713, 100.3853



56.2561, 42.2713, 33.5691



35.5529, 42.2713, 16.0014



27.4979, 42.2713, 61.2371

Rectangle

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



45.1869, 42.2713, 100.3853



55.9392, 42.2713, 63.6836



35.5529, 42.2713, 16.0014



27.6953, 42.2713, 31.9776

Sweetspot

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



45.1883, 42.2728, 100.3855



77.0586, 79.4193, 105.8758



64.1181, 84.3592, 93.6648



16.1105, 16.5582, 22.5969



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.



45.1883, 42.2728, 100.3855



39.0184, 34.8912, 99.2859



49.6106, 40.1594, 99.7445



17.2452, 17.8619, 22.7887



9.9363, 4.7822, 49.8339



1.0326, 0.5958, 4.8739

Inverse Universe

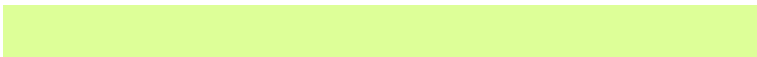
The Inverse Universe completely reimagines the original color for something new.



59.6307, 46.5828, 43.3859



55.3061, 40.2190, 34.8986



71.1458, 89.1073, 43.1575



18.1316, 18.0360, 19.3104



21.8036, 11.2107, 2.3503



2.1558, 1.1047, 0.4019

Previews

White Background



This preview shows how the XYZ color 45.1869, 42.2713, 100.3853 looks on a white background.

Color Contrast Check

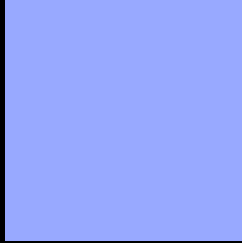
Large Text (above 18pt) WCAG AA × Fail

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 45.1869, 42.2713, 100.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

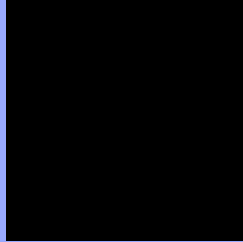
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1869, 42.2713, 100.3853

Background



This preview shows how black text looks on a background with the XYZ color 45.1869, 42.2713, 100.3853.



This preview shows how white text looks on a background with the XYZ color 45.1869, 42.2713,

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

45.1869, 42.2713, 100.3853

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.4571, 42.2363, 99.6279



Tritanopia

36.6907, 42.3062, 57.8619

Trichromacy



Original Color

45.1869, 42.2713, 100.3853

Protanomaly

44.6375, 42.2654, 100.4131

Deuteranomaly

43.9539, 42.2109, 99.5968

Tritanomaly

39.4019, 42.2048, 71.7153

Monochromacy



Original Color

45.1869, 42.2713, 100.3853

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.2579, 41.9238, 62.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1869, 42.2713, 100.3853 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(152, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 169, 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(152, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.1869, 42.2713, 100.3853 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(152, 169, 255) }
```


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

```
.border{ border-color:rgb(152, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1869, 42.2713, 100.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 169, 255) }
```

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

```
.background{ background-color: rgb(152,  
169, 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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