

Converting Colors

XYZ(39.2381, 42.8990, 79.4680)

Have a look what the booklet for
XYZ(39.2381, 42.8990, 79.4680)
contains.

XYZ(39.2269, 42.8331, 79.5989)	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(39.2269, 42.8331,
79.5989)**

Conversions

Conversions Part 1

Format	Color
Hex	80B4E4
RGB	128, 180, 228
RGB Percent	50%, 71%, 89%
CMY	0.4980, 0.2941, 0.1059
CMYK	0.44, 0.21, 0.00, 0.11
HSL	209°, 65%, 70%
HSV	209°, 44%, 89%
XYZ	39.2269, 42.8331, 79.5989
YIQ	169.9240, -46.4000, 3.9040

Conversions

Conversions Part 2

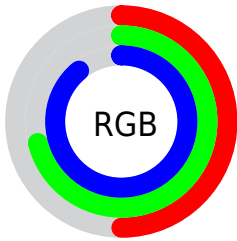
Format	Color
R_{YB}	128, 162, 228
Decimal	8434916
CIE Lab	71.44, -4.64, -29.41
CIE LCh	71, 29.771, 261.036
Yxy	42.8331, 0.2427, 0.2650
Android (android.graphics.Color)	4286624996 (0xFF80B4E4)
YUV	169.9240, 28.6315, -36.7673
Hunter-Lab	65.4470, -7.5449, -26.2976

Details

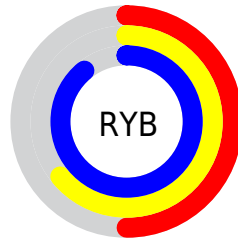
The XYZ color **39.2269, 42.8331, 79.5989** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.4176, 49.1044, 27.1917**, and the grayscale version is **38.0503, 40.0319, 43.5947**.

A 20% lighter version of the original color is **67.8126, 77.4013, 105.9736**, and **17.7083, 19.5350, 41.8670** is the 20% darker color. If you saturate the color by 10%, you get **34.0524, 37.0150, 78.7494**, and if you desaturate by 10%, it is **45.3492, 49.4006, 80.5446**.

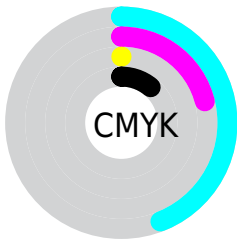
Distribution



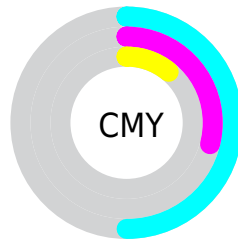
- Red (50%)
- Green (71%)
- Blue (89%)



- Red (50%)
- Yellow (64%)
- Blue (89%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2269, 42.8331, 79.5989 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 39.2269, 42.8331, 79.5989 by changing the saturation by 10% instead.

■ 39.2269, 42.8331,
79.5989

■ 39.2269, 42.8331,
79.5989

334.0448,
357.9249, 513.2511

■ 27.1178, 29.7542,
58.8641

■ 73.2767, 79.4589,
134.6080

■ 17.7988, 19.6521,
42.0845

■ 95.9481, 103.7747,
169.7193

■ 10.9044, 12.1424,
28.8414

■ 122.8709,
132.6048, 210.4600

■ 6.0694, 6.8407,
18.7163

154.4106,
166.3337, 257.2484

■ 2.9284, 3.3627,
11.2907

190.9325,
205.3457, 310.5032

■ 1.1160, 1.3239,
6.1461

232.8019,

■ 0.0384, 0.1596,

250.0254, 370.6429

2.8639

280.3842,
300.7570, 438.0860

■ 0.0000, 0.0000,
1.0256

■ 0.0000, 0.0000,
0.0000

■ 39.2269, 42.8331,
79.5989

■ 39.2269, 42.8331,
79.5989

■ 34.0524, 37.0150,
78.7494

■ 45.3492, 49.4006,
80.5446

■ 29.7651, 31.9065,
77.9893

■ 52.4663, 56.7447,
81.5871

■ 26.3037, 27.4705,
77.3155

■ 60.6268, 64.8971,
82.7306

■ 23.5958, 23.6635,
76.7234

■ 69.8751, 73.8859,
83.9781

■ 21.5544, 20.4339,
76.2076

■ 80.2524, 83.7377,
85.3328

■ 20.5485, 18.6909,
75.9242

■ 88.0983, 92.5705,
86.6242

■ 91.0037, 98.3815,
87.5927

Harmonies

Analogous

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



34.9415, 42.8331, 71.5879



39.2269, 42.8331, 79.5989



44.2737, 42.8331, 77.4702

Triad

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



39.2269, 42.8331, 79.5989



50.3959, 42.8331, 37.4067



33.6617, 42.8331, 31.3323

Complementary

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



39.2269, 42.8331, 79.5989



51.4176, 49.1044, 27.1917

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.



37.3459, 42.8331, 25.3114



39.2269, 42.8331, 79.5989



47.0843, 42.8331, 28.2850

Square

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



39.2269, 42.8331, 79.5989



51.0038, 42.8331, 51.0765



42.2333, 42.8331, 24.3239



31.9064, 42.8331, 42.4643

Rectangle

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



39.2269, 42.8331, 79.5989



47.3795, 42.8331, 70.7364



42.2333, 42.8331, 24.3239



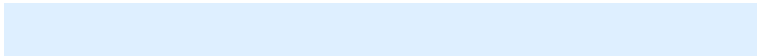
34.7006, 42.8331, 28.7478

Sweetspot

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



39.2283, 42.8347, 79.5999



79.0206, 84.5105, 106.7551



44.3519, 63.1591, 50.2408



16.3830, 17.5656, 22.7770



0.0000, 0.0000, 0.0000



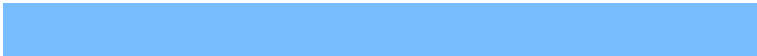
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2283, 42.8347, 79.5999



44.2162, 48.0849, 101.5586



31.0682, 26.5145, 76.8799



14.1998, 15.1209, 18.3146



11.9848, 11.0317, 43.8808



0.9786, 1.0011, 3.2736

Inverse Universe

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



47.9535, 35.2290, 47.4540



57.2467, 38.3802, 53.1797



62.7273, 71.7238, 30.9616



14.6884, 14.4926, 16.5596



20.4429, 10.3114, 11.2271



1.5576, 0.7807, 1.0766

Previews

White Background



This preview shows how the XYZ color 39.2269, 42.8331, 79.5989 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 39.2269, 42.8331, 79.5989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

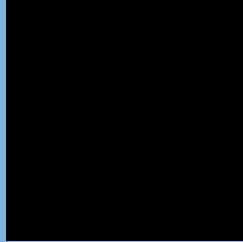
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2269, 42.8331, 79.5989

Background



This preview shows how black text looks on a background with the XYZ color 39.2269, 42.8331, 79.5989.



This preview shows how white text looks on a background with the XYZ color 39.2269, 42.8331,

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

39.2269, 42.8331, 79.5989

Protanopia

42.8376, 42.4604, 75.0451

Deuteranopia

43.7334, 42.7953, 80.8182



Tritanopia

35.5200, 42.8611, 61.0445

Trichromacy



Original Color

39.2269, 42.8331, 79.5989

Protanomaly

41.3622, 42.5258, 76.5493

Deuteranomaly

41.8673, 42.7066, 80.1653

Tritanomaly

36.7347, 42.7311, 67.2846

Monochromacy



Original Color

39.2269, 42.8331, 79.5989

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0576, 41.0023, 55.1986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2269, 42.8331, 79.5989 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(128, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 228)  
}
```

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(128, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 228) }
```

Border

The CSS property to change the border of an element to XYZ 39.2269, 42.8331, 79.5989 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(128, 180, 228) }
```


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

```
.border{ border-color:rgb(128, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 228);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2269, 42.8331, 79.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 228) }
```

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

```
.background{ background-color: rgb(128,  
180, 228) }
```

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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