

Converting Colors

XYZ(39.0087, 42.1449, 77.2285)

Have a look what the booklet for
XYZ(39.0087, 42.1449, 77.2285)
contains.

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Color

**XYZ(39.0267, 42.1826,
77.3193)**

Conversions

Conversions Part 1

Format	Color
Hex	84B2E1
RGB	132, 178, 225
RGB Percent	52%, 70%, 88%
CMY	0.4823, 0.3019, 0.1176
CMYK	0.41, 0.21, 0.00, 0.12
HSL	210°, 61%, 70%
HSV	210°, 41%, 88%
XYZ	39.0267, 42.1826, 77.3193
YIQ	169.6040, -42.5030, 4.8650

Conversions

Conversions Part 2

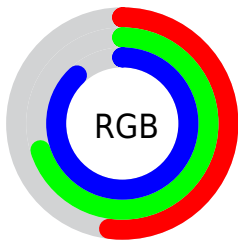
Format	Color
R_{YB}	132, 163, 225
Decimal	8696545
CIE _{Lab}	71.00, -3.36, -28.44
CIE _{LCh}	71, 28.635, 263.271
Yxy	42.1826, 0.2462, 0.2661
Android (android.graphics.Color)	4286886625 (0xFF84B2E1)
YUV	169.6040, 27.3102, -32.9787
Hunter-Lab	64.9481, -6.4003, -25.1197

Details

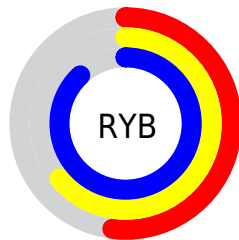
The XYZ color **39.0267, 42.1826, 77.3193** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.3372, 49.9146, 28.7599**, and the grayscale version is **37.8964, 39.8699, 43.4184**.

A 20% lighter version of the original color is **68.2119, 76.7570, 105.8282**, and **17.7771, 19.4018, 40.8382** is the 20% darker color. If you saturate the color by 10%, you get **33.7110, 36.2225, 76.4498**, and if you desaturate by 10%, it is **45.2915, 48.9122, 78.2888**.

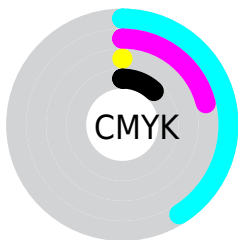
Distribution



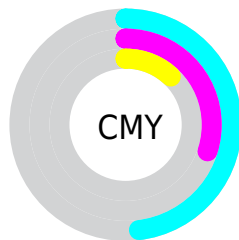
- Red (52%)
- Green (70%)
- Blue (88%)



- Red (52%)
- Yellow (64%)
- Blue (88%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (30%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0267, 42.1826, 77.3193 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 39.0267, 42.1826, 77.3193 by changing the saturation by 10% instead.

■ 39.0267, 42.1826,
77.3193

■ 39.0267, 42.1826,
77.3193

333.2092,
355.2393, 505.3185

■ 26.9613, 29.2443,
57.0018

■ 72.9729, 78.4759,
131.3672

■ 17.6806, 19.2657,
40.5974

■ 95.5845, 102.5997,
165.9348

■ 10.8192, 11.8624,
27.6873

■ 122.4421,
131.2208, 206.0895

■ 6.0118, 6.6501,
17.8531

153.9112,
164.7236, 252.2498

■ 2.8930, 3.2442,
10.6762

190.3571,
203.4924, 304.8343

■ 1.0974, 1.2605,
5.7381

232.1452,

■ 0.0230, 0.1103,

247.9117, 364.2616

2.6203

279.6407,
298.3659, 430.9502

■ 0.0000, 0.0000,
0.9029

■ 0.0000, 0.0000,
0.0000

■ 39.0267, 42.1826,
77.3193

■ 39.0267, 42.1826,
77.3193

■ 33.7110, 36.2225,
76.4498

■ 45.2915, 48.9122,
78.2888

■ 29.2865, 30.9925,
75.6735

■ 52.5503, 56.4383,
79.3589

■ 25.6947, 26.4567,
74.9873

■ 60.8503, 64.7923,
80.5339

■ 22.8677, 22.5725,
74.3866

■ 70.2341, 74.0023,
81.8171

■ 20.7247, 19.2909,
73.8661

■ 80.7417, 84.0948,
83.2113

■ 19.3072, 16.8692,
73.4734

■ 87.8560, 92.7468,
84.5063

■ 90.5908, 98.2163,
85.4179

Harmonies

Analogous

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



34.8475, 42.1826, 70.4028



39.0267, 42.1826, 77.3193



43.8327, 42.1826, 74.5803

Triad

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



39.0267, 42.1826, 77.3193



49.1367, 42.1826, 36.3012



33.1732, 42.1826, 31.9262

Complementary

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



39.0267, 42.1826, 77.3193



51.3372, 49.9146, 28.7599

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.



36.5729, 42.1826, 25.7550



39.0267, 42.1826, 77.3193



45.8408, 42.1826, 27.9082

Square

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



39.0267, 42.1826, 77.3193



49.9242, 42.1826, 49.0813



41.1792, 42.1826, 24.4458



31.6459, 42.1826, 42.9160

Rectangle

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



39.0267, 42.1826, 77.3193



46.7244, 42.1826, 67.8685



41.1792, 42.1826, 24.4458



34.1213, 42.1826, 29.3156

Sweetspot

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



39.0281, 42.1842, 77.3203



79.9382, 85.1785, 106.8356



44.5282, 61.9914, 52.0031



16.7854, 17.9080, 22.8219



0.0000, 0.0000, 0.0000



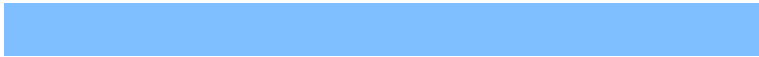
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0281, 42.1842, 77.3203



45.4133, 48.8429, 101.6418



31.3588, 26.8457, 74.7639



13.5092, 14.3575, 17.4469



11.2422, 9.9539, 42.3771



0.8687, 0.8690, 2.9672

Inverse Universe

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



47.3396, 35.7258, 46.5219



58.2503, 40.3107, 53.7505



62.1423, 71.5248, 32.3616



13.9885, 13.8130, 15.7095



19.6147, 9.9129, 9.9029



1.4048, 0.7052, 0.9243

Previews

White Background



This preview shows how the XYZ color 39.0267, 42.1826, 77.3193 looks on a white background.

Color Contrast Check

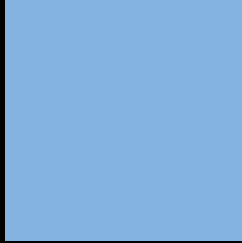
Large Text (above 18pt) WCAG AA × Fail

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 39.0267, 42.1826, 77.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

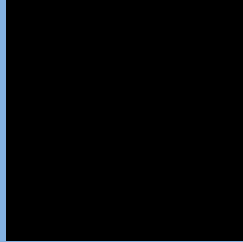
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0267, 42.1826, 77.3193

Background



This preview shows how black text looks on a background with the XYZ color 39.0267, 42.1826, 77.3193.

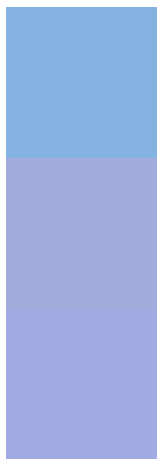


This preview shows how white text looks on a background with the XYZ color 39.0267, 42.1826,

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

39.0267, 42.1826, 77.3193

Protanopia

42.1791, 41.8702, 73.5688

Deuteranopia

42.9378, 41.8726, 78.4922



Tritanopia

35.5840, 42.3042, 59.7161

Trichromacy



Original Color

39.0267, 42.1826, 77.3193

Protanomaly

40.8985, 42.0301, 75.0643

Deuteranomaly

41.2487, 41.8622, 77.8577

Tritanomaly

36.8111, 42.1910, 65.8780

Monochromacy



Original Color

39.0267, 42.1826, 77.3193

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9481, 40.6728, 54.5657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0267, 42.1826, 77.3193 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(132, 178, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 178, 225)  
}
```

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(132, 178, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 178, 225) }
```

Border

The CSS property to change the border of an element to XYZ 39.0267, 42.1826, 77.3193 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(132, 178, 225) }
```


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

```
.border{ border-color:rgb(132, 178, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 178, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 178, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 178, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 178,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0267, 42.1826, 77.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 178, 225) }
```

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

```
.background{ background-color: rgb(132,  
178, 225) }
```

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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