

Converting Colors

XYZ(40.2765, 42.5692, 79.7563)

Have a look what the booklet for
XYZ(40.2765, 42.5692, 79.7563)
contains.

XYZ(40.2070, 42.4490, 79.4731)	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(40.2070, 42.4490,
79.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB1E4
RGB	138, 177, 228
RGB Percent	54%, 69%, 89%
CMY	0.4588, 0.3059, 0.1059
CMYK	0.39, 0.22, 0.00, 0.11
HSL	214°, 63%, 72%
HSV	214°, 39%, 89%
XYZ	40.2070, 42.4490, 79.4731
YIQ	171.1530, -39.6150, 7.5930

Conversions

Conversions Part 2

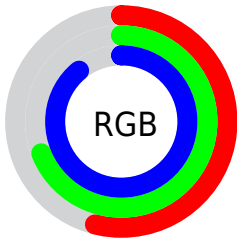
Format	Color
R _Y B	138, 165, 228
Decimal	9089508
CIE Lab	71.18, -0.43, -29.76
CIE LCh	71, 29.767, 269.165
Yxy	42.4490, 0.2480, 0.2618
Android (android.graphics.Color)	4287279588 (0xFF8AB1E4)
YUV	171.1530, 28.0256, -29.0752
Hunter-Lab	65.1529, -3.8621, -26.7145

Details

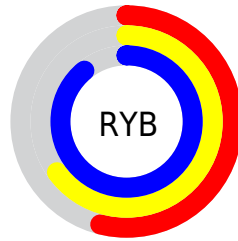
The XYZ color **40.2070, 42.4490, 79.4731** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.7811, 54.7254, 31.7222**, and the grayscale version is **38.6646, 40.6782, 44.2985**.

A 20% lighter version of the original color is **69.4370, 76.9672, 105.8042**, and **18.4362, 19.5306, 41.8278** is the 20% darker color. If you saturate the color by 10%, you get **34.3912, 35.8408, 78.5049**, and if you desaturate by 10%, it is **47.0591, 49.9518, 80.5609**.

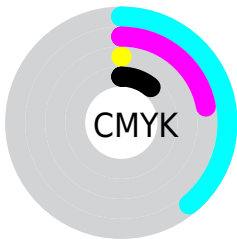
Distribution



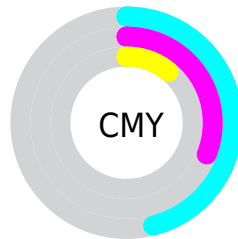
- Red (54%)
- Green (69%)
- Blue (89%)



- Red (54%)
- Yellow (65%)
- Blue (89%)



- Cyan (39%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (46%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2070, 42.4490, 79.4731 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 40.2070, 42.4490, 79.4731 by changing the saturation by 10% instead.

■ 40.2070, 42.4490,
79.4731

■ 40.2070, 42.4490,
79.4731

338.1147,
356.3409, 512.8152

■ 27.8849, 29.4530,
58.7613

■ 74.7610, 78.8787,
134.4294

■ 18.3789, 19.4238,
42.0022

■ 97.7235, 103.0813,
169.5109

■ 11.3237, 11.9769,
28.7774

■ 124.9637,
131.7881, 210.2194

■ 6.3539, 6.7280,
18.6684

156.8467,
165.3837, 256.9734

■ 3.1041, 3.2926,
11.2565

193.7379,
204.2523, 310.1914

■ 1.2091, 1.2863,
6.1233

236.0028,

■ 0.1135, 0.1306,

248.7785, 370.2920

2.8502

284.0066,
299.3465, 437.6938

■ 0.0000, 0.0000,
1.0187

■ 0.0000, 0.0000,
0.0000

■ 40.2070, 42.4490,
79.4731

■ 40.2070, 42.4490,
79.4731

■ 34.3912, 35.8408,
78.5049

■ 47.0591, 49.9518,
80.5609

■ 29.5507, 30.0834,
77.6487

■ 54.9952, 58.3808,
81.7696

■ 25.6244, 25.1357,
76.9006

■ 64.0650, 67.7717,
83.1042

■ 22.5416, 20.9503,
76.2553

■ 74.3139, 78.1566,
84.5685

■ 20.2193, 17.4732,
75.7065

■ 85.7845, 89.5661,
86.1662

■ 18.5265, 14.6247,
75.2459

■ 90.8518, 98.0776,
87.5420

■ 18.4467, 14.4875,
75.2236

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



35.6287, 42.4490, 74.0353



40.2070, 42.4490, 79.4731



45.2019, 42.4490, 74.5843

Triad

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



40.2070, 42.4490, 79.4731



49.3117, 42.4490, 34.0875



32.6608, 42.4490, 33.5251

Complementary

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



40.2070, 42.4490, 79.4731



54.7811, 54.7254, 31.7222

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.



35.8519, 42.4490, 26.1487



40.2070, 42.4490, 79.4731



45.4634, 42.4490, 26.4232

Square

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



40.2070, 42.4490, 79.4731



50.7133, 42.4490, 46.6209



40.4863, 42.4490, 23.8406



31.4985, 42.4490, 45.8209

Rectangle

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



40.2070, 42.4490, 79.4731



48.0445, 42.4490, 66.6009



40.4863, 42.4490, 23.8406



33.5181, 42.4490, 30.4889

Sweetspot

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



40.2084, 42.4506, 79.4741



79.3903, 84.0826, 106.6530



47.2492, 64.5004, 57.2558



16.6566, 17.6505, 22.7789



0.0000, 0.0000, 0.0000



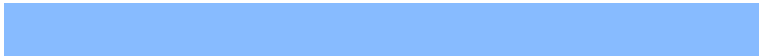
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2084, 42.4506, 79.4741



45.8542, 47.9602, 101.4482



34.3348, 29.5751, 77.2985



14.0940, 14.9093, 18.2793



10.7647, 8.5914, 43.4741



0.8864, 0.8167, 3.2429

Inverse Universe

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



49.0204, 37.8468, 46.3181



58.9037, 42.2213, 52.1066



62.9175, 73.0902, 34.8381



14.6350, 14.4712, 16.2784



19.8270, 10.0650, 7.9840



1.5110, 0.7621, 0.8316

Previews

White Background



This preview shows how the XYZ color 40.2070, 42.4490, 79.4731 looks on a white background.

Color Contrast Check

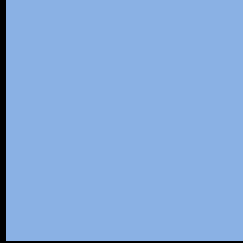
Large Text (above 18pt) WCAG AA × Fail

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 40.2070, 42.4490, 79.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

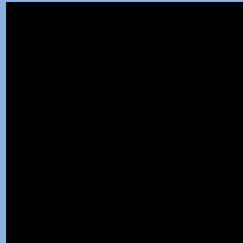
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

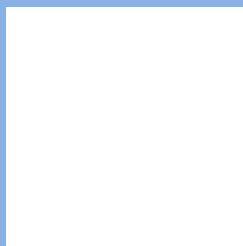
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2070, 42.4490, 79.4731

Background



This preview shows how black text looks on a background with the XYZ color 40.2070, 42.4490, 79.4731.



This preview shows how white text looks on a background with the XYZ color 40.2070, 42.4490,

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

40.2070, 42.4490, 79.4731

Protanopia

42.7043, 42.3604, 76.4466

Deuteranopia

43.2030, 42.2565, 80.0080



Tritanopia

36.2175, 42.6440, 59.1456

Trichromacy



Original Color

40.2070, 42.4490, 79.4731

Protanomaly

41.6756, 42.3837, 77.2185

Deuteranomaly

42.0353, 42.2197, 80.0625

Tritanomaly

37.5819, 42.5884, 65.9141

Monochromacy



Original Color

40.2070, 42.4490, 79.4731

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7561, 41.0638, 55.7526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2070, 42.4490, 79.4731 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, 177, 228)` looks like.

```
.text, #text, p{  
    color:rgb(138, 177, 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(138, 177, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 177, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.2070, 42.4490, 79.4731 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, 177, 228) }
```


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

```
.border{ border-color:rgb(138, 177, 228) }
```

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

Here you see how a box with a 4 pixel rgb(138, 177, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 177, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 177, 228);  
box-shadow:4px 4px 4px 4px rgb(138, 177,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2070, 42.4490, 79.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 177, 228) }
```

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

```
.background{ background-color: rgb(138,  
177, 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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