

Converting Colors

XYZ(39.9895, 47.7698, 73.4442)

Have a look what the booklet for
XYZ(39.9895, 47.7698, 73.4442)
contains.

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Color

**XYZ(39.9727, 47.7831,
73.4459)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC2DA
RGB	122, 194, 218
RGB Percent	48%, 76%, 85%
CMY	0.5216, 0.2392, 0.1451
CMYK	0.44, 0.11, 0.00, 0.15
HSL	195°, 56%, 67%
HSV	195°, 44%, 85%
XYZ	39.9727, 47.7831, 73.4459
YIQ	175.2080, -50.6160, -7.8000

Conversions

Conversions Part 2

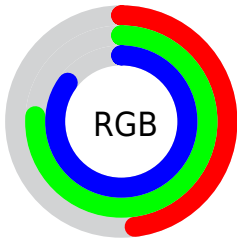
Format	Color
R _{YB}	122, 163, 218
Decimal	8045274
CIE _{Lab}	74.69, -16.29, -19.04
CIE _{LCh}	75, 25.058, 229.460
Y _{xy}	47.7831, 0.2480, 0.2964
Android (android.graphics.Color)	4286235354 (0xFF7AC2DA)
YUV	175.2080, 21.0965, -46.6634
Hunter-Lab	69.1253, -17.7491, -14.6081

Details

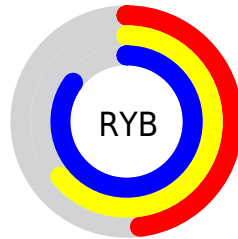
The XYZ color **39.9727, 47.7831, 73.4459** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7061, 36.8693, 23.2793**, and the grayscale version is **40.7695, 42.8926, 46.7101**.

A 20% lighter version of the original color is **71.1376, 85.7981, 107.4191**, and **18.1689, 22.5243, 38.0404** is the 20% darker color. If you saturate the color by 10%, you get **36.0349, 43.9864, 72.9215**, and if you desaturate by 10%, it is **44.6503, 52.0293, 74.0198**.

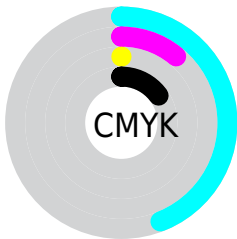
Distribution



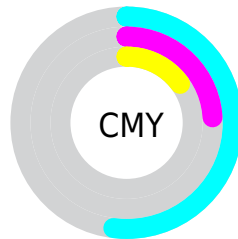
- Red (48%)
- Green (76%)
- Blue (85%)



- Red (48%)
- Yellow (64%)
- Blue (85%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9727, 47.7831, 73.4459 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 39.9727, 47.7831, 73.4459 by changing the saturation by 10% instead.

■ 39.9727, 47.7831,
73.4459

■ 39.9727, 47.7831,
73.4459

337.1449,
377.9317, 491.6709

■ 27.7014, 33.6552,
53.8466

■ 74.4065, 86.8814,
125.8368

■ 18.2400, 22.6288,
38.0867

■ 97.2998, 112.6205,
159.4655

■ 11.2231, 14.3197,
25.7476

■ 124.4644,
142.9988, 198.6077

■ 6.2855, 8.3433,
16.4109

156.2656,
178.4007, 243.6820

■ 3.0618, 4.3154,
9.6579

193.0690,
219.2105, 295.1070

■ 1.1865, 1.8515,
5.0701

235.2397,

■ 0.0957, 0.5190,

265.8127, 353.3011

2.2290

283.1432,
318.5916, 418.6829

■ 0.0000, 0.0000,
0.6910

■ 0.0000, 0.0000,
0.0000

■ 39.9727, 47.7831,
73.4459

■ 39.9727, 47.7831,
73.4459

■ 36.0349, 43.9864,
72.9215

■ 44.6503, 52.0293,
74.0198

■ 32.7850, 40.6087,
72.4408

■ 50.1062, 56.7424,
74.6420

■ 30.1715, 37.6236,
72.0023

■ 56.3814, 61.9453,
75.3155

■ 28.1330, 34.9988,
71.6032

■ 63.5127, 67.6576,
76.0422

■ 26.5949, 32.6952,
71.2396

■ 71.5346, 73.8978,
76.8239

■ 25.8419, 31.4357,
71.0362

■ 80.4796, 80.6831,
77.6621

■ 82.7943, 84.1205,
78.2036

■ 84.3536, 87.2390,
78.7234

■ 85.9608, 90.4536,
79.2591

Harmonies

Analogous

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



37.6690, 47.7831, 60.8137



39.9727, 47.7831, 73.4459



43.8374, 47.7831, 80.6973

Triad

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



39.9727, 47.7831, 73.4459



54.5556, 47.7831, 56.7387



42.5684, 47.7831, 31.8272

Complementary

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



39.9727, 47.7831, 73.4459



42.7061, 36.8693, 23.2793

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.



47.0329, 47.7831, 31.1071



39.9727, 47.7831, 73.4459



54.1593, 47.7831, 44.1314

Square

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



39.9727, 47.7831, 73.4459



52.3824, 47.7831, 70.0384



51.3332, 47.7831, 35.2396



39.0971, 47.7831, 37.4041

Rectangle

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



39.9727, 47.7831, 73.4459



46.8671, 47.7831, 80.8070



51.3332, 47.7831, 35.2396



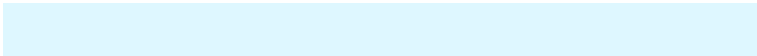
43.9960, 47.7831, 31.0490

Sweetspot

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



39.9742, 47.7849, 73.4470



81.3013, 89.0720, 107.5153



38.1633, 56.3073, 35.4045



16.9477, 18.6950, 22.9652



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.



39.9742, 47.7849, 73.4470



51.6880, 63.0286, 104.0492



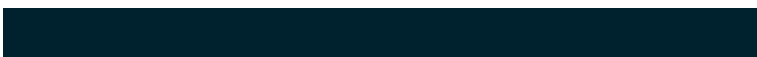
31.2095, 30.2555, 70.5255



13.1549, 14.2495, 16.7092



15.5712, 19.0119, 42.5874



1.0754, 1.3650, 2.7812

Inverse Universe

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



45.6118, 32.7209, 54.9526



61.0182, 39.8888, 73.0398



51.3649, 54.1869, 26.1656



13.4680, 13.2163, 15.7260



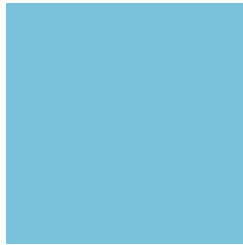
21.3550, 10.5430, 22.0470



1.4171, 0.6965, 1.6055

Previews

White Background



This preview shows how the XYZ color 39.9727, 47.7831, 73.4459 looks on a white background.

Color Contrast Check

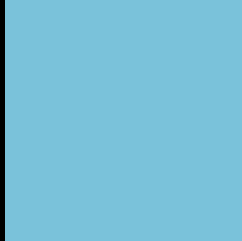
Large Text (above 18pt) WCAG AA × Fail

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 39.9727, 47.7831, 73.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

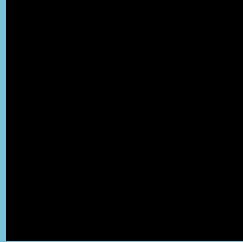
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9727, 47.7831, 73.4459

Background



This preview shows how black text looks on a background with the XYZ color 39.9727, 47.7831, 73.4459.



This preview shows how white text looks on a background with the XYZ color 39.9727, 47.7831,

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

39.9727, 47.7831, 73.4459

Protanopia

46.5168, 47.1659, 67.6250

Deuteranopia

48.4626, 47.4057, 75.0026



Tritanopia

39.0187, 47.7264, 68.7836

Trichromacy



Original Color

39.9727, 47.7831, 73.4459

Protanomaly

43.6697, 47.1910, 69.7579

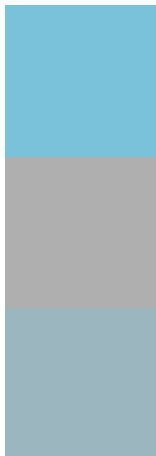
Deuteranomaly

44.5560, 46.9219, 74.4186

Tritanomaly

39.5379, 47.9502, 70.7898

Monochromacy



Original Color

39.9727, 47.7831, 73.4459

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8422, 44.2854, 55.7382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9727, 47.7831, 73.4459 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(122, 194, 218)` looks like.

```
.text, #text, p{  
    color:rgb(122, 194, 218)  
}
```

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(122, 194, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 194, 218) }
```

Border

The CSS property to change the border of an element to XYZ 39.9727, 47.7831, 73.4459 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(122, 194, 218) }
```


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

```
.border{ border-color:rgb(122, 194, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 194, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 194, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 194, 218);  
box-shadow:4px 4px 4px 4px rgb(122, 194,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9727, 47.7831, 73.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 194, 218) }
```

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

```
.background{ background-color: rgb(122,  
194, 218) }
```

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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