

Converting Colors

XYZ(39.8813, 51.9238, 78.7262)

Have a look what the booklet for
XYZ(39.8813, 51.9238, 78.7262)
contains.

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Color

**XYZ(39.7423, 51.6981,
78.4051)**

Conversions

Conversions Part 1

Format	Color
Hex	5ACEE0
RGB	90, 206, 224
RGB Percent	35%, 81%, 88%
CMY	0.6470, 0.1921, 0.1216
CMYK	0.60, 0.08, 0.00, 0.12
HSL	188°, 68%, 62%
HSV	188°, 60%, 88%
XYZ	39.7423, 51.6981, 78.4051
YIQ	173.3680, -74.9140, -18.9940

Conversions

Conversions Part 2

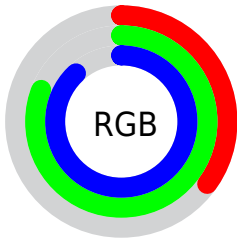
Format	Color
RYB	90, 152, 224
Decimal	5951200
CIELab	77.10, -27.40, -18.75
CIELCh	77, 33.203, 214.374
Yxy	51.6981, 0.2340, 0.3044
Android (android.graphics.Color)	4284141280 (0xFF5ACEE0)
YUV	173.3680, 24.9616, -73.1137
Hunter-Lab	71.9014, -27.1645, -14.3220

Details

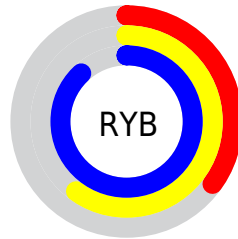
The XYZ color **39.7423, 51.6981, 78.4051** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.9497, 27.3120, 12.9460**, and the grayscale version is **39.8139, 41.8873, 45.6153**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **18.2280, 24.9978, 41.4005** is the 20% darker color. If you saturate the color by 10%, you get **37.1659, 49.3060, 78.0801**, and if you desaturate by 10%, it is **42.9921, 54.4602, 78.7679**.

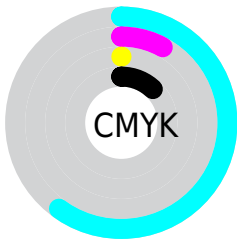
Distribution



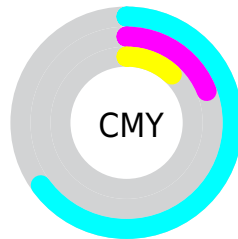
- Red (35%)
- Green (81%)
- Blue (88%)



- Red (35%)
- Yellow (60%)
- Blue (88%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (65%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7423, 51.6981, 78.4051 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 39.7423, 51.6981, 78.4051 by changing the saturation by 10% instead.


 39.7423, 51.6981,
78.4051


 39.7423, 51.6981,
78.4051


336.1893,
393.2700, 509.1058

 27.5210, 36.7645,
57.8884


 74.0578, 92.6859,
132.9121

 18.1035, 25.0252,
41.3048


 96.8827, 119.5088,
167.7395

 11.1245, 16.0958,
28.2358


 123.9728,
151.0636, 208.1741

 6.2185, 9.5920,
18.2629

 155.6935,
187.7347, 254.6346

 3.0203, 5.1293,
10.9675

192.4101,
229.9065, 307.5395

 1.1645, 2.3233,
5.9311

234.4881,

 0.0781, 0.7860,

277.9634, 367.3073

2.7351

282.2927,
332.2898, 434.3566

■ 0.0000, 0.0000,
0.9610

■ 0.0000, 0.0000,
0.0000

■ 39.7423, 51.6981,
78.4051

■ 39.7423, 51.6981,
78.4051

■ 37.1659, 49.3060,
78.0801

■ 42.9921, 54.4602,
78.7679

■ 35.1970, 47.2464,
77.7863

■ 46.9641, 57.6141,
79.1673

■ 33.7646, 45.4837,
77.5216

■ 51.7078, 61.1868,
79.6069

■ 32.7445, 43.9538,
77.2801

■ 57.2672, 65.2008,
80.0887

■ 32.7273, 43.9269,
77.2758

■ 63.6828, 69.6773,
80.6146

■ 70.9924, 74.6358,
81.1864

■ 79.2315, 80.0947,
81.8058

■ 83.0120, 83.2764,
82.2207

■ 83.8569, 84.9663,
82.5024

Harmonies

Analogous

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



37.9518, 51.6981, 58.9966



39.7423, 51.6981, 78.4051



44.0488, 51.6981, 94.0248

Triad

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



39.7423, 51.6981, 78.4051



60.9755, 51.6981, 72.7900



48.2132, 51.6981, 28.1506

Complementary

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



39.7423, 51.6981, 78.4051



37.9497, 27.3120, 12.9460

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.



54.6037, 51.6981, 30.3041



39.7423, 51.6981, 78.4051



62.3298, 51.6981, 53.6683

Square

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



39.7423, 51.6981, 78.4051



56.3505, 51.6981, 90.3241



59.9077, 51.6981, 38.7822



42.5679, 51.6981, 32.1014

Rectangle

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



39.7423, 51.6981, 78.4051



47.9514, 51.6981, 98.7005



59.9077, 51.6981, 38.7822



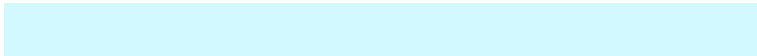
50.3430, 51.6981, 28.1926

Sweetspot

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



39.7439, 51.7000, 78.4063



78.1974, 88.4391, 107.5568



33.5731, 56.5660, 23.3007



16.2325, 18.5717, 22.9791



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.



39.7439, 51.7000, 78.4063



49.0692, 65.3572, 104.6367



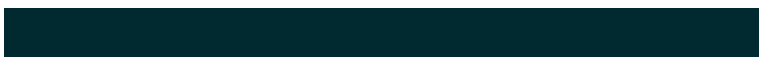
26.9245, 26.0612, 74.1332



13.9514, 15.2418, 17.5943



19.1112, 25.6919, 45.0001



1.3688, 1.8690, 3.1338

Inverse Universe

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



45.5386, 27.6174, 61.3251



57.8493, 31.5498, 78.1533



47.8913, 47.1952, 16.2598



14.2117, 13.9023, 16.8848



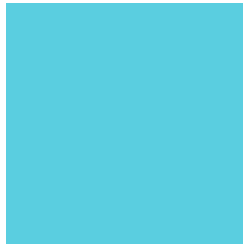
23.5866, 11.5017, 30.8187



1.6571, 0.8061, 2.2533

Previews

White Background



This preview shows how the XYZ color 39.7423, 51.6981, 78.4051 looks on a white background.

Color Contrast Check

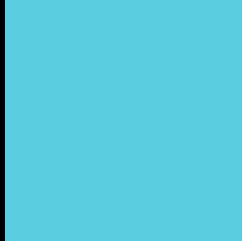
Large Text (above 18pt) WCAG AA × Fail

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 39.7423, 51.6981, 78.4051 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 39.7423, 51.6981, 78.4051

Background



This preview shows how black text looks on a background with the XYZ color 39.7423, 51.6981, 78.4051.

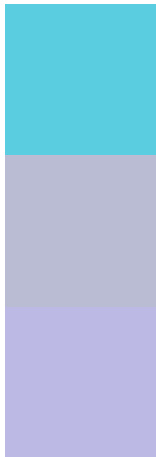


This preview shows how white text looks on a background with the XYZ color 39.7423, 51.6981,

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

39.7423, 51.6981, 78.4051

Protanopia

50.1166, 51.1590, 69.5206

Deuteranopia

52.2309, 51.0464, 81.2288



Tritanopia

39.6070, 51.6440, 77.6928

Trichromacy



Original Color

39.7423, 51.6981, 78.4051



Protanomaly

44.6723, 50.5674, 72.3717



Deuteranomaly

45.8840, 50.3614, 79.9754



Tritanomaly

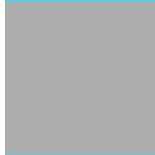
39.6070, 51.6440, 77.6928

Monochromacy



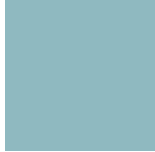
Original Color

39.7423, 51.6981, 78.4051



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.1911, 44.3433, 56.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7423, 51.6981, 78.4051 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(90, 206, 224)` looks like.

```
.text, #text, p{  
    color:rgb(90, 206, 224)  
}
```

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(90, 206, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 206, 224) }
```

Border

The CSS property to change the border of an element to XYZ 39.7423, 51.6981, 78.4051 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(90, 206, 224) }
```


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

```
.border{ border-color:rgb(90, 206, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 206, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 206, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 206, 224);  
box-shadow:4px 4px 4px 4px rgb(90, 206,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7423, 51.6981, 78.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 206, 224) }
```

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

```
.background{ background-color: rgb(90, 206,  
224) }
```

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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