

Converting Colors

XYZ(39.7063, 50.0731, 71.1907)

Have a look what the booklet for
XYZ(39.7063, 50.0731, 71.1907)
contains.

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Color

**XYZ(39.7063, 50.0731,
71.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	70C9D6
RGB	112, 201, 214
RGB Percent	44%, 79%, 84%
CMY	0.5608, 0.2118, 0.1608
CMYK	0.48, 0.06, 0.00, 0.16
HSL	188°, 55%, 64%
HSV	188°, 48%, 84%
XYZ	39.7063, 50.0731, 71.1907
YIQ	175.8710, -57.2170, -14.8250

Conversions

Conversions Part 2

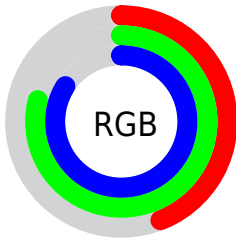
Format	Color
RYB	112, 160, 214
Decimal	7391702
CIELab	76.11, -23.27, -14.77
CIELCh	76, 27.560, 212.406
Yxy	50.0731, 0.2467, 0.3111
Android (android.graphics.Color)	4285581782 (0xFF70C9D6)
YUV	175.8710, 18.7976, -56.0149
Hunter-Lab	70.7623, -23.6739, -10.1153

Details

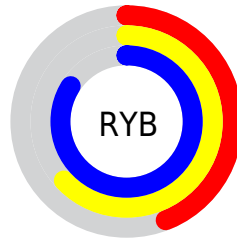
The XYZ color **39.7063, 50.0731, 71.1907** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.9907, 30.1340, 19.1445**, and the grayscale version is **41.1275, 43.2693, 47.1203**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **18.1079, 24.1007, 36.4984** is the 20% darker color. If you saturate the color by 10%, you get **36.6705, 47.5738, 70.8692**, and if you desaturate by 10%, it is **43.4035, 52.9324, 71.5486**.

Distribution



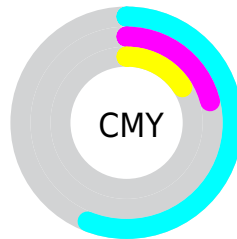
- Red (44%)
- Green (79%)
- Blue (84%)



- Red (44%)
- Yellow (63%)
- Blue (84%)



- Cyan (48%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (56%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7063, 50.0731, 71.1907 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 39.7063, 50.0731, 71.1907 by changing the saturation by 10% instead.

■ 39.7063, 50.0731,
71.1907

■ 39.7063, 50.0731,
71.1907

336.0398,
386.9517, 483.6214

■ 27.4928, 35.4715,
52.0150

■ 74.0033, 90.2832,
122.6022

■ 18.0822, 24.0263,
36.6347

■ 96.8174, 116.6604,
155.6751

■ 11.1091, 15.3531,
24.6313

■ 123.8959,
147.7317, 194.2176

■ 6.2081, 9.0676,
15.5860

155.6040,
183.8813, 238.6481

■ 3.0139, 4.7853,
9.0805

192.3071,
225.4938, 289.3852

■ 1.1611, 2.1218,
4.6962

234.3705,

■ 0.0753, 0.6769,

272.9534, 346.8474

2.0145

282.1596,
326.6446, 411.4533

■ 0.0000, 0.0000,
0.5642

■ 0.0000, 0.0000,
0.0000

■ 39.7063, 50.0731,
71.1907

■ 39.7063, 50.0731,
71.1907

■ 36.6705, 47.5738,
70.8692

■ 43.4035, 52.9324,
71.5486

■ 34.2449, 45.4046,
70.5783

■ 47.7995, 56.1676,
71.9414

■ 32.3781, 43.5401,
70.3168

■ 52.9344, 59.8007,
72.3720

■ 31.0082, 41.9482,
70.0818

■ 58.8438, 63.8501,
72.8422

■ 30.0489, 40.5844,
69.8691

■ 65.5612, 68.3331,
73.3534

■ 29.8509, 40.2815,
69.8210

■ 73.1179, 73.2660,
73.9073

■ 78.9954, 77.3504,
74.3859

■ 79.7175, 78.7945,
74.6266

■ 80.4512, 80.2620,
74.8711

Harmonies

Analogous

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



38.3618, 50.0731, 55.7211



39.7063, 50.0731, 71.1907



43.1482, 50.0731, 83.7433

Triad

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



39.7063, 50.0731, 71.1907



56.9278, 50.0731, 68.7540



47.1782, 50.0731, 30.7950

Complementary

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



39.7063, 50.0731, 71.1907



37.9907, 30.1340, 19.1445

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.



52.3330, 50.0731, 33.0363



39.7063, 50.0731, 71.1907



58.1977, 50.0731, 53.3384

Square

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



39.7063, 50.0731, 71.1907



53.1043, 50.0731, 82.1673



56.4604, 50.0731, 40.6807



42.4768, 50.0731, 33.8968

Rectangle

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



39.7063, 50.0731, 71.1907



46.2951, 50.0731, 87.7730



56.4604, 50.0731, 40.6807



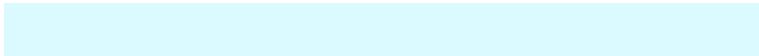
48.9149, 50.0731, 30.9483

Sweetspot

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



39.7078, 50.0750, 71.1919



81.6796, 90.9782, 107.8633



34.3615, 52.9916, 27.4542



17.0870, 19.1998, 23.0553



0.0000, 0.0000, 0.0000



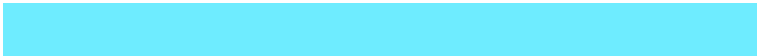
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7078, 50.0750, 71.1919



54.5701, 70.7788, 105.3933



29.9036, 30.4665, 67.9238



12.6509, 13.8252, 15.9393



18.0962, 24.4541, 42.2195



1.1301, 1.5521, 2.5593

Inverse Universe

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



44.0696, 30.1028, 58.7482



61.9880, 38.4204, 83.8698



45.9678, 46.0883, 21.8036



12.8817, 12.6042, 15.3175



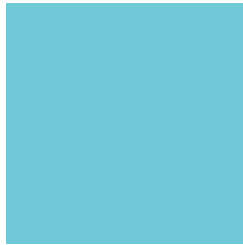
22.1930, 10.8135, 29.3839



1.3580, 0.6600, 1.8748

Previews

White Background



This preview shows how the XYZ color 39.7063, 50.0731, 71.1907 looks on a white background.

Color Contrast Check

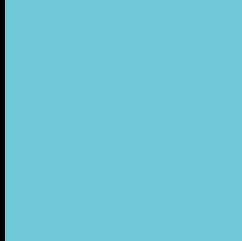
Large Text (above 18pt) WCAG AA × Fail

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 39.7063, 50.0731, 71.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

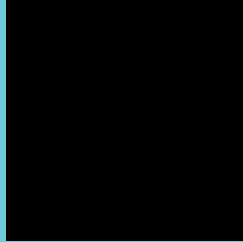
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7063, 50.0731, 71.1907

Background



This preview shows how black text looks on a background with the XYZ color 39.7063, 50.0731, 71.1907.



This preview shows how white text looks on a background with the XYZ color 39.7063, 50.0731,

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

39.7063, 50.0731, 71.1907

Protanopia

48.2556, 49.3718, 64.1131

Deuteranopia

50.6180, 49.4650, 73.2095



Tritanopia

40.2211, 50.2938, 73.2334

Trichromacy



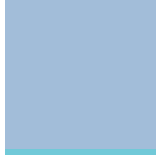
Original Color

39.7063, 50.0731, 71.1907



Protanomaly

44.1165, 49.0848, 66.8236



Deuteranomaly

45.6223, 49.0863, 72.7157



Tritanomaly

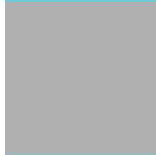
40.0914, 50.2419, 72.5504

Monochromacy



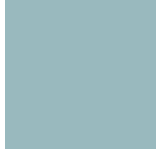
Original Color

39.7063, 50.0731, 71.1907



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.7801, 45.1879, 55.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7063, 50.0731, 71.1907 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(112, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(112, 201, 214)  
}
```

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(112, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 201, 214) }
```

Border

The CSS property to change the border of an element to XYZ 39.7063, 50.0731, 71.1907 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(112, 201, 214) }
```


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

```
.border{ border-color:rgb(112, 201, 214) }
```

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

Here you see how a box with a 4 pixel rgb(112, 201, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(112, 201,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7063, 50.0731, 71.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 201, 214) }
```

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

```
.background{ background-color: rgb(112,  
201, 214) }
```

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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