

Converting Colors

XYZ(39.4272, 50.1708, 76.0125)

Have a look what the booklet for
XYZ(39.4272, 50.1708, 76.0125)
contains.

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Color

**XYZ(39.4272, 50.1708,
76.0125)**

Conversions

Conversions Part 1

Format	Color
Hex	64CADD
RGB	100, 202, 221
RGB Percent	39%, 79%, 87%
CMY	0.6078, 0.2078, 0.1333
CMYK	0.55, 0.09, 0.00, 0.13
HSL	189°, 64%, 63%
HSV	189°, 55%, 87%
XYZ	39.4272, 50.1708, 76.0125
YIQ	173.6680, -66.8910, -15.7150

Conversions

Conversions Part 2

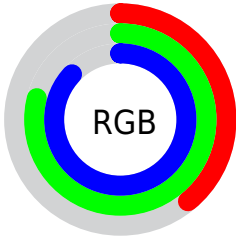
Format	Color
RYB	100, 155, 221
Decimal	6605533
CIELab	76.17, -24.40, -18.50
CIELCh	76, 30.624, 217.165
Yxy	50.1708, 0.2381, 0.3029
Android (android.graphics.Color)	4284795613 (0xFF64CADD)
YUV	173.6680, 23.3347, -64.6068
Hunter-Lab	70.8313, -24.5955, -14.0450

Details

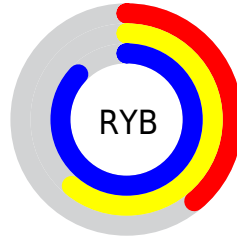
The XYZ color **39.4272, 50.1708, 76.0125** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.7171, 29.4872, 15.7091**, and the grayscale version is **39.9721, 42.0538, 45.7966**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **17.9795, 24.1942, 39.7987** is the 20% darker color. If you saturate the color by 10%, you get **36.5016, 47.4685, 75.6460**, and if you desaturate by 10%, it is **43.0371, 53.2552, 76.4185**.

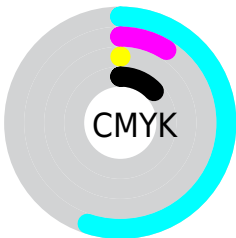
Distribution



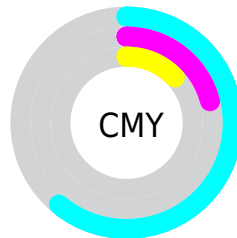
- Red (39%)
- Green (79%)
- Blue (87%)



- Red (39%)
- Yellow (61%)
- Blue (87%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (61%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4272, 50.1708, 76.0125 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 39.4272, 50.1708, 76.0125 by changing the saturation by 10% instead.

■ 39.4272, 50.1708,
76.0125

■ 39.4272, 50.1708,
76.0125

334.8793,
387.3335, 500.7385

■ 27.2744, 35.5491,
55.9360

■ 73.5804, 90.4279,
129.5048

■ 17.9171, 24.0862,
39.7480

■ 96.3115, 116.8321,
163.7578

■ 10.9898, 15.3976,
27.0298

■ 123.2995,
147.9326, 203.5733

■ 6.1272, 9.0989,
17.3630

■ 154.9097,
184.1138, 249.3699

■ 2.9640, 4.8057,
10.3289

191.5074,
225.7601, 301.5662

■ 1.1347, 2.1337,
5.5091

233.4580,

■ 0.0539, 0.6835,

273.2559, 360.5807

2.4851

281.1268,
326.9856, 426.8320

■ 0.0000, 0.0000,
0.8322

■ 0.0000, 0.0000,
0.0000

■ 39.4272, 50.1708,
76.0125

■ 39.4272, 50.1708,
76.0125

■ 36.5016, 47.4685,
75.6460

■ 43.0371, 53.2552,
76.4185

■ 34.2006, 45.1141,
75.3128

■ 47.3755, 56.7415,
76.8628

■ 32.4617, 43.0763,
75.0112

■ 52.4885, 60.6546,
77.3486

■ 31.2069, 41.3148,
74.7373

■ 58.4167, 65.0156,
77.8779

■ 30.6736, 40.4651,
74.6014

■ 65.1980, 69.8443,
78.4525

■ 72.8679, 75.1592,
79.0741

■ 81.4599, 80.9775,
79.7443

■ 82.5224, 82.9427,
80.0677

■ 83.4965, 84.8908,
80.3923

Harmonies

Analogous

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



37.5604, 50.1708, 58.6617



39.4272, 50.1708, 76.0125



43.5332, 50.1708, 89.2076

Triad

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



39.4272, 50.1708, 76.0125



58.5876, 50.1708, 67.8226



46.3237, 50.1708, 28.9029

Complementary

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



39.4272, 50.1708, 76.0125



38.7171, 29.4872, 15.7091

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.



52.0945, 50.1708, 30.3853



39.4272, 50.1708, 76.0125



59.4847, 50.1708, 50.7826

Square

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



39.4272, 50.1708, 76.0125



54.6623, 50.1708, 83.8562



57.0240, 50.1708, 37.6843



41.3298, 50.1708, 33.1279

Rectangle

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



39.4272, 50.1708, 76.0125



47.1425, 50.1708, 92.6292



57.0240, 50.1708, 37.6843



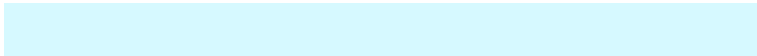
48.2333, 50.1708, 28.7671

Sweetspot

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



39.4288, 50.1727, 76.0137



79.5902, 89.0467, 107.6006



34.3923, 55.7350, 26.1332



16.6582, 18.7845, 22.9977



0.0000, 0.0000, 0.0000



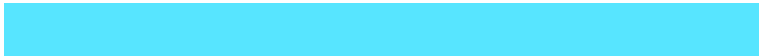
20.3446, 21.4041, 23.3091

Same Dimension

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



39.4288, 50.1727, 76.0137



49.8541, 65.0351, 104.5332



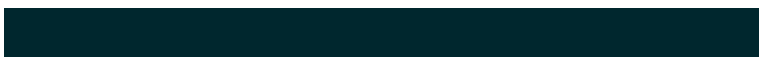
28.0333, 27.3818, 72.2152



13.2617, 14.4631, 16.7448



17.8872, 23.6439, 43.3594



1.2066, 1.6274, 2.8250

Inverse Universe

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



45.0380, 28.7523, 59.0550



58.7074, 33.6613, 77.2204



48.1704, 48.3938, 18.8602



13.5220, 13.2379, 16.0098



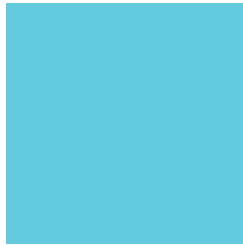
22.5240, 11.0106, 28.2030



1.4834, 0.7230, 1.9543

Previews

White Background



This preview shows how the XYZ color 39.4272, 50.1708, 76.0125 looks on a white background.

Color Contrast Check

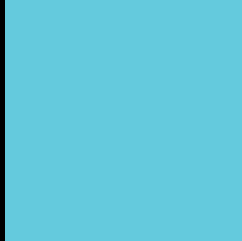
Large Text (above 18pt) WCAG AA × Fail

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 39.4272, 50.1708, 76.0125 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 39.4272, 50.1708, 76.0125

Background



This preview shows how black text looks on a background with the XYZ color 39.4272, 50.1708, 76.0125.



This preview shows how white text looks on a background with the XYZ color 39.4272, 50.1708,

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

39.4272, 50.1708, 76.0125

Protanopia

48.5103, 49.4183, 67.9547

Deuteranopia

50.7738, 49.7423, 78.1593



Tritanopia

39.0523, 50.0082, 74.6121

Trichromacy



Original Color

39.4272, 50.1708, 76.0125

Protanomaly

43.9053, 48.8889, 70.7408

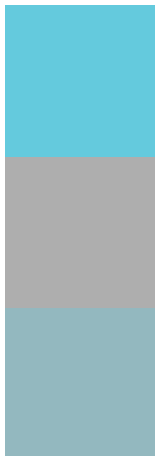
Deuteranomaly

45.3856, 49.1773, 77.6211

Tritanomaly

39.1844, 50.0610, 75.3077

Monochromacy



Original Color

39.4272, 50.1708, 76.0125

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.5771, 44.2456, 55.7972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4272, 50.1708, 76.0125 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(100, 202, 221)` looks like.

```
.text, #text, p{  
    color:rgb(100, 202, 221)  
}
```

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(100, 202, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 202, 221) }
```

Border

The CSS property to change the border of an element to XYZ 39.4272, 50.1708, 76.0125 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(100, 202, 221) }
```


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

```
.border{ border-color:rgb(100, 202, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 202, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 202, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 202, 221);  
box-shadow:4px 4px 4px 4px rgb(100, 202,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4272, 50.1708, 76.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 202, 221) }
```

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

```
.background{ background-color: rgb(100,  
202, 221) }
```

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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