

Converting Colors

XYZ(39.7392, 50.4241, 63.1746)

Have a look what the booklet for
XYZ(39.7392, 50.4241, 63.1746)
contains.

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Color

**XYZ(39.5976, 50.2013,
62.8611)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC9C9
RGB	123, 201, 201
RGB Percent	48%, 79%, 79%
CMY	0.5176, 0.2118, 0.2118
CMYK	0.39, 0.00, 0.00, 0.21
HSL	180°, 42%, 64%
HSV	180°, 39%, 79%
XYZ	39.5976, 50.2013, 62.8611
YIQ	177.6780, -46.4880, -16.5360

Conversions

Conversions Part 2

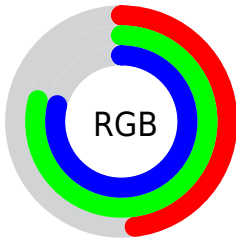
Format	Color
RYB	123, 162, 201
Decimal	8112585
CIELab	76.19, -23.95, -7.58
CIElCh	76, 25.120, 197.567
Yxy	50.2013, 0.2594, 0.3288
Android (android.graphics.Color)	4286302665 (0xFF7BC9C9)
YUV	177.6780, 11.4977, -47.9526
Hunter-Lab	70.8529, -24.2341, -3.0054

Details

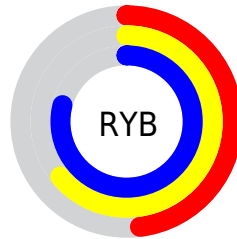
The XYZ color **39.5976, 50.2013, 62.8611** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7472, 28.0149, 22.3167**, and the grayscale version is **42.1068, 44.2997, 48.2423**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **18.0841, 24.2030, 31.3223** is the 20% darker color. If you saturate the color by 10%, you get **37.0126, 48.8699, 62.7409**, and if you desaturate by 10%, it is **42.7759, 51.8410, 63.0113**.

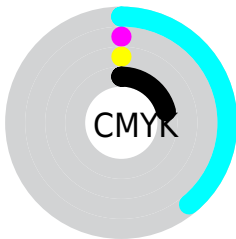
Distribution



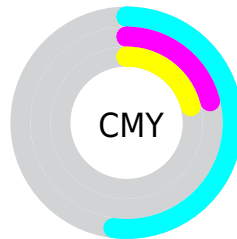
- Red (48%)
- Green (79%)
- Blue (79%)



- Red (48%)
- Yellow (64%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (52%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5976, 50.2013, 62.8611 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 39.5976, 50.2013, 62.8611 by changing the saturation by 10% instead.

■ 39.5976, 50.2013,
62.8611

■ 39.5976, 50.2013,
62.8611

335.5882,
387.4526, 453.1593

■ 27.4077, 35.5734,
45.2886

■ 73.8386, 90.4731,
110.5527

■ 18.0179, 24.1049,
31.3402

■ 96.6205, 116.8857,
141.5089

■ 11.0626, 15.4114,
20.5974

■ 123.6637,
147.9953, 177.7634

■ 6.1765, 9.1087,
12.6417

155.3337,
184.1864, 219.7347

■ 2.9944, 4.8121,
7.0544

191.9958,
225.8432, 267.8415

■ 1.1508, 2.1375,
3.4172

234.0153,

■ 0.0670, 0.6856,

273.3503, 322.5021

1.3114

281.7577,
327.0920, 384.1352

■ 0.0000, 0.0000,
0.0711

■ 0.0000, 0.0000,
0.0000

■ 39.5976, 50.2013,
62.8611

■ 39.5976, 50.2013,
62.8611

■ 37.0126, 48.8699,
62.7409

■ 42.7759, 51.8410,
63.0113

■ 34.9800, 47.8221,
62.6454

■ 46.5764, 53.8002,
63.1895

■ 33.4610, 47.0390,
62.5739

■ 51.0314, 56.0968,
63.3984

■ 32.4096, 46.4970,
62.5243

■ 56.1695, 58.7456,
63.6392

■ 31.7719, 46.1683,
62.4941

■ 62.0179, 61.7605,
63.9133

■ 31.4599, 46.0074,
62.4792

■ 68.6021, 65.1548,
64.2218

■ 31.4298, 45.9919,
62.4777

■ 72.6708, 67.2523,
64.4126

■ 72.6708, 67.2523,
64.4129

■ 72.6709, 67.2524,
64.4133

Harmonies

Analogous

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



39.4127, 50.2013, 49.2689



39.5976, 50.2013, 62.8611



41.8661, 50.2013, 76.1050

Triad

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



39.5976, 50.2013, 62.8611



54.7097, 50.2013, 74.0769



49.6897, 50.2013, 33.0584

Complementary

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



39.5976, 50.2013, 62.8611



34.7472, 28.0149, 22.3167

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.



54.0844, 50.2013, 37.6782



39.5976, 50.2013, 62.8611



57.1080, 50.2013, 60.4322

Square

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



39.5976, 50.2013, 62.8611



50.4983, 50.2013, 83.2761



56.8718, 50.2013, 47.2064



45.0356, 50.2013, 33.4899

Rectangle

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



39.5976, 50.2013, 62.8611



44.3444, 50.2013, 82.2836



56.8718, 50.2013, 47.2064



51.2518, 50.2013, 34.0358

Sweetspot

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



39.5991, 50.2033, 62.8623



84.6745, 94.6512, 108.4137



32.8189, 47.5128, 26.1811



17.9045, 20.1462, 23.1947



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.



39.5991, 50.2033, 62.8623



63.8253, 83.9031, 107.4357



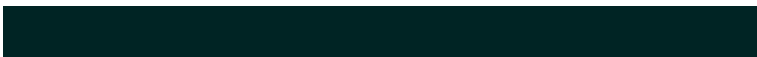
31.8630, 34.7306, 60.2849



10.9467, 12.0676, 13.6697



19.7611, 28.9168, 39.2821



0.9357, 1.3692, 1.8600

Inverse Universe

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



34.7472, 28.0149, 22.3167



54.3089, 40.3834, 27.9108



40.3568, 39.2343, 24.1859



10.6339, 10.6370, 11.0555



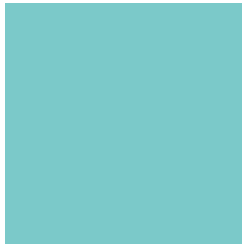
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 39.5976, 50.2013, 62.8611 looks on a white background.

Color Contrast Check

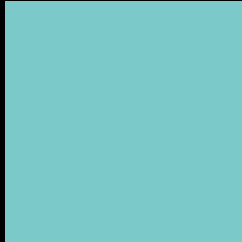
Large Text (above 18pt) WCAG AA × Fail

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 39.5976, 50.2013, 62.8611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

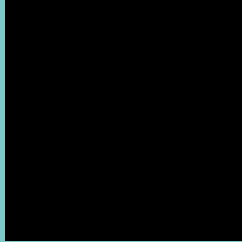
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5976, 50.2013, 62.8611

Background



This preview shows how black text looks on a background with the XYZ color 39.5976, 50.2013, 62.8611.

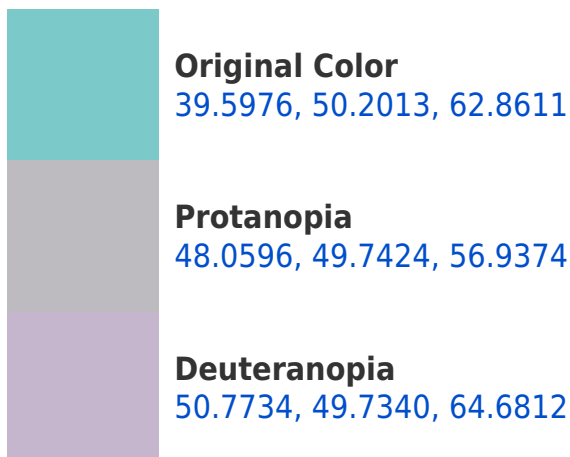


This preview shows how white text looks on a background with the XYZ color 39.5976, 50.2013,

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





Tritanopia

41.4416, 50.2652, 71.8079

Trichromacy



Original Color

39.5976, 50.2013, 62.8611

Protanomaly

43.9982, 49.2011, 58.8076

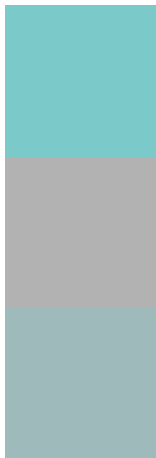
Deuteranomaly

45.6742, 49.3009, 64.2355

Tritanomaly

40.8913, 50.3973, 68.5452

Monochromacy



Original Color

39.5976, 50.2013, 62.8611

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5224, 45.9321, 53.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5976, 50.2013, 62.8611 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(123, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(123, 201, 201)  
}
```

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(123, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 201, 201) }
```

Border

The CSS property to change the border of an element to XYZ 39.5976, 50.2013, 62.8611 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(123, 201, 201) }
```


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

```
.border{ border-color:rgb(123, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 201, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 201, 201); box-shadow:4px 4px 4px 4px rgb(123, 201, 201) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5976, 50.2013, 62.8611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 201, 201) }
```

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

```
.background{ background-color: rgb(123,  
201, 201) }
```

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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