

Converting Colors

XYZ(39.8155, 60.9802, 70.7695)

Have a look what the booklet for
XYZ(39.8155, 60.9802, 70.7695)
contains.

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Color

**XYZ(39.9297, 61.2468,
70.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6D2
RGB	0, 230, 210
RGB Percent	0%, 90%, 82%
CMY	0.9998, 0.0980, 0.1765
CMYK	1.00, 0.00, 0.09, 0.10
HSL	175°, 100%, 45%
HSV	175°, 100%, 90%
XYZ	39.9297, 61.2468, 70.6901
YIQ	158.9500, -130.6600, -54.9800

Conversions

Conversions Part 2

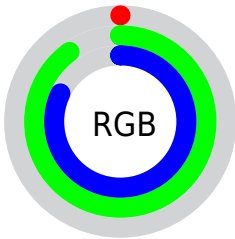
Format	Color
RYB	0, 120, 230
Decimal	59090
CIELab	82.51, -50.14, -3.33
CIELCh	83, 50.253, 183.802
Yxy	61.2468, 0.2323, 0.3564
Android (android.graphics.Color)	4278249170 (0xFF00E6D2)
YUV	158.9500, 25.1677, -139.3991
Hunter-Lab	78.2603, -45.8820, 1.2274

Details

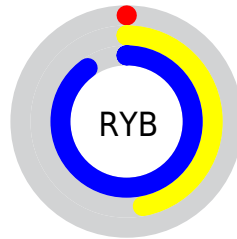
The XYZ color **39.9297, 61.2468, 70.6901** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.7615, 16.8753, 2.1948**, and the grayscale version is **32.8708, 34.5826, 37.6604**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.9443, 32.2874, 36.5807** is the 20% darker color. If you saturate the color by 10%, you get **39.9303, 61.2486, 70.6887**, and if you desaturate by 10%, it is **40.5363, 61.5319, 72.0293**.

Distribution



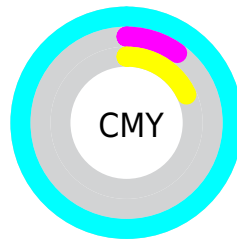
- Red (0%)
- Green (90%)
- Blue (82%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9297, 61.2468, 70.6901 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 39.9297, 61.2468, 70.6901 by changing the saturation by 10% instead.

39.9297, 61.2468,
70.6901

39.9297, 61.2468,
70.6901

336.9667,
429.1783, 481.8238

27.6677, 44.4244,
51.6091

74.3415, 106.6362,
121.8827

18.2145, 31.0043,
36.3135

97.2220, 135.9720,
154.8313

11.2047, 20.6021,
24.3848

124.3727,
170.2476, 193.2396

6.2730, 12.8335,
15.4045

156.1589,
209.8476, 237.5259

3.0540, 7.3140,
8.9540

192.9461,
255.1563, 288.1090

1.1824, 3.6592,
4.6148

235.0995,

0.0924, 1.4848,

306.5580, 345.4073

1.9683

282.9846,
364.4372, 409.8394

■ 0.0000, 0.2780,
0.5357

■ 0.0000, 0.0000,
0.0000

■ 39.9297, 61.2468,
70.6901

■ 39.9297, 61.2468,
70.6901

■ 39.9303, 61.2486,
70.6887

■ 40.5363, 61.5319,
72.0293

■ 41.5648, 62.0328,
73.4031

■ 43.1508, 62.8207,
74.8195

■ 45.3720, 63.9357,
76.2820

■ 48.2937, 65.4115,
77.7938

■ 51.9732, 67.2775,
79.3576

■ 56.4617, 69.5602,
80.9759

■ 61.8060, 72.2838,
82.6509

■ 68.0494, 75.4705,
84.3847

Harmonies

Analogous

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



41.5675, 61.2468, 43.8200



39.9297, 61.2468, 70.6901



42.6721, 61.2468, 105.3360

Triad

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



39.9297, 61.2468, 70.6901



70.4854, 61.2468, 128.9589



67.8229, 61.2468, 26.4274

Complementary

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



39.9297, 61.2468, 70.6901



32.7615, 16.8753, 2.1948

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.



77.1324, 61.2468, 38.8797



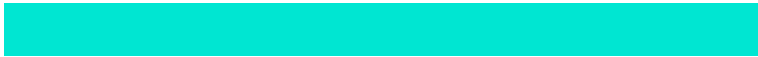
39.9297, 61.2468, 70.6901



78.7977, 61.2468, 96.3814

Square

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



39.9297, 61.2468, 70.6901



59.5946, 61.2468, 144.9028



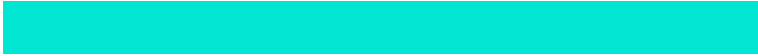
81.3675, 61.2468, 62.8386



56.8534, 61.2468, 23.3453

Rectangle

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



39.9297, 61.2468, 70.6901



46.8402, 61.2468, 126.7682



81.3675, 61.2468, 62.8386



71.2926, 61.2468, 29.4171

Sweetspot

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



39.9315, 61.2491, 70.6916



71.2320, 87.8430, 102.2896



28.6524, 56.7784, 9.4506



14.7061, 18.5270, 21.7069



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.



39.9315, 61.2491, 70.6916



50.4422, 77.3929, 89.2355



23.3757, 23.8970, 78.2460



14.7505, 16.3136, 18.2171



22.6286, 34.6835, 40.1400



1.6882, 2.5694, 3.0504

Inverse Universe

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



32.7615, 16.8753, 2.1948



41.3866, 21.3186, 2.7018



36.4644, 24.4834, 2.8053



14.4276, 14.3882, 15.1863



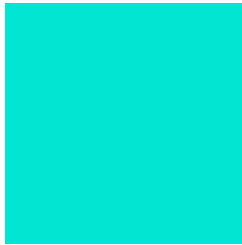
18.5651, 9.5602, 1.3387



1.3895, 0.7135, 0.1919

Previews

White Background



This preview shows how the XYZ color 39.9297, 61.2468, 70.6901 looks on a white background.

Color Contrast Check

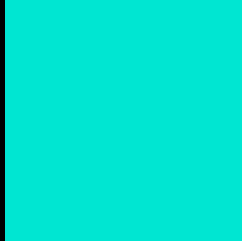
Large Text (above 18pt) WCAG AA × Fail

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 39.9297, 61.2468, 70.6901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

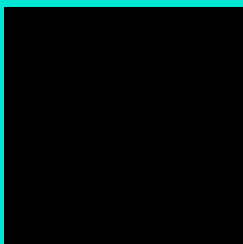
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

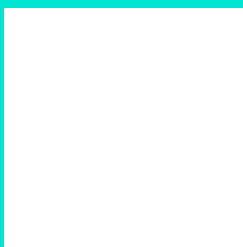
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9297, 61.2468, 70.6901

Background



This preview shows how black text looks on a background with the XYZ color 39.9297, 61.2468, 70.6901.

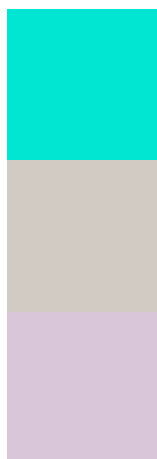


This preview shows how white text looks on a background with the XYZ color 39.9297, 61.2468,

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

39.9297, 61.2468, 70.6901

Protanopia

57.5008, 60.2073, 60.2203

Deuteranopia

61.3337, 60.1496, 74.0230



Tritanopia

44.7902, 61.1913, 94.2444

Trichromacy



Original Color

39.9297, 61.2468, 70.6901



Protanomaly

43.8924, 56.7452, 63.2831



Deuteranomaly

45.6654, 56.3515, 72.0884



Tritanomaly

42.6204, 61.0828, 85.1451

Monochromacy



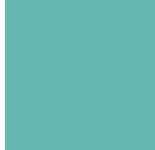
Original Color

39.9297, 61.2468, 70.6901



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.7517, 40.6790, 48.3505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9297, 61.2468, 70.6901 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(0, 230, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 210)  
}
```

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(0, 230, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 210) }
```

Border

The CSS property to change the border of an element to XYZ 39.9297, 61.2468, 70.6901 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(0, 230, 210) }
```


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

```
.border{ border-color:rgb(0, 230, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9297, 61.2468, 70.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 210) }
```

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

```
.background{ background-color: rgb(0, 230,  
210) }
```

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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