

Converting Colors

XYZ(39.6021, 53.2120, 93.6877)

Have a look what the booklet for
XYZ(39.6021, 53.2120, 93.6877)
contains.

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Color

**XYZ(39.6234, 53.1202,
93.7528)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3F4
RGB	0, 211, 244
RGB Percent	0%, 83%, 96%
CMY	0.9997, 0.1725, 0.0431
CMYK	1.00, 0.14, 0.00, 0.04
HSL	188°, 100%, 48%
HSV	188°, 100%, 96%
XYZ	39.6234, 53.1202, 93.7528
YIQ	151.6730, -136.3490, -34.4690

Conversions

Conversions Part 2

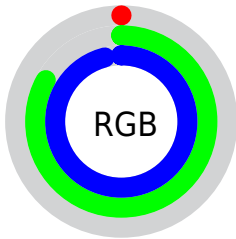
Format	Color
RYB	0, 113, 244
Decimal	54260
CIELab	77.95, -31.42, -28.29
CIELCh	78, 42.286, 222.000
Yxy	53.1202, 0.2125, 0.2848
Android (android.graphics.Color)	4278244340 (0xFF00D3F4)
YUV	151.6730, 45.5172, -133.0172
Hunter-Lab	72.8836, -30.5042, -25.2483

Details

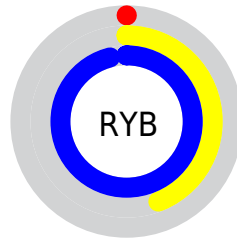
The XYZ color **39.6234, 53.1202, 93.7528** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.8548, 20.3249, 1.9299**, and the grayscale version is **29.5659, 31.1057, 33.8741**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.9656, 27.4078, 51.7622** is the 20% darker color. If you saturate the color by 10%, you get **39.6220, 53.1171, 93.7533**, and if you desaturate by 10%, it is **40.8407, 54.9787, 94.0484**.

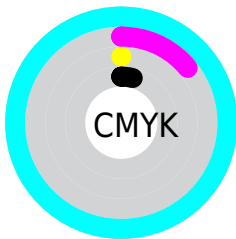
Distribution



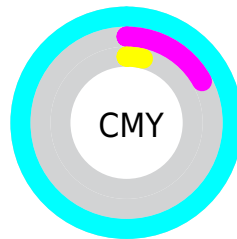
- Red (0%)
- Green (83%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (17%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6234, 53.1202, 93.7528 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 39.6234, 53.1202, 93.7528 by changing the saturation by 10% instead.

39.6234, 53.1202,
93.7528

39.6234, 53.1202,
93.7528

335.6954,
398.7461, 561.0465

27.4279, 37.8987,
70.5062

73.8777, 94.7812,
154.5211

18.0331, 25.9041,
51.4600

96.6672, 121.9896,
192.8800

11.0736, 16.7519,
36.1955

123.7188,
153.9623, 237.1133

6.1840, 10.0578,
24.2944

155.3979,
191.0839, 287.6397

2.9990, 5.4373,
15.3379

192.0697,
233.7386, 344.8777

1.1532, 2.5060,
8.9076

234.0997,

0.0690, 0.8797,

282.3110, 409.2458

4.5850

281.8531,
337.1854, 481.1625

■ 0.0000, 0.0000,
1.9514

■ 0.0000, 0.0000,
0.5252

■ 39.6234, 53.1202,
93.7528

■ 39.6234, 53.1202,
93.7528

■ 39.6220, 53.1171,
93.7533

■ 40.8407, 54.9787,
94.0484

■ 42.5585, 57.1193,
94.3710

■ 44.9288, 59.6215,
94.7291

■ 48.0417, 62.5321,
95.1268

■ 51.9730, 65.8901,
95.5678

■ 56.7890, 69.7299,
96.0551

■ 62.5491, 74.0823,
96.5916

■ 69.3074, 78.9752,
97.1798

■ 77.1140, 84.4347,
97.8222

Harmonies

Analogous

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



36.5443, 53.1202, 67.7775



39.6234, 53.1202, 93.7528



45.7575, 53.1202, 112.5024

Triad

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



39.6234, 53.1202, 93.7528



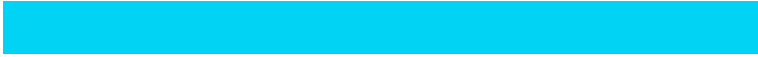
67.0755, 53.1202, 72.9966



47.2715, 53.1202, 23.8815

Complementary

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



39.6234, 53.1202, 93.7528



37.8548, 20.3249, 1.9299

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.



55.5363, 53.1202, 24.5685



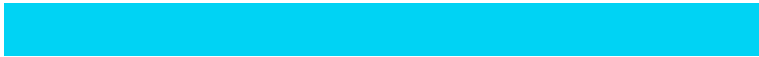
39.6234, 53.1202, 93.7528



67.5946, 53.1202, 48.9227

Square

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



39.6234, 53.1202, 93.7528



61.8296, 53.1202, 98.4557



63.1793, 53.1202, 32.5146



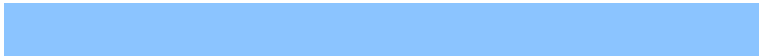
40.6278, 53.1202, 30.2840

Rectangle

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



39.6234, 53.1202, 93.7528



51.0432, 53.1202, 115.9487



63.1793, 53.1202, 32.5146



49.9392, 53.1202, 23.3519

Sweetspot

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



39.6251, 53.1221, 93.7541



69.0721, 81.8383, 106.7636



32.6208, 64.8101, 12.1994



14.1812, 17.0669, 22.7968



0.0000, 0.0000, 0.0000



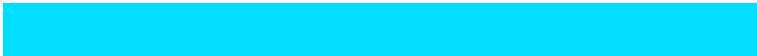
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6251, 53.1221, 93.7541



43.7758, 58.6716, 103.6253



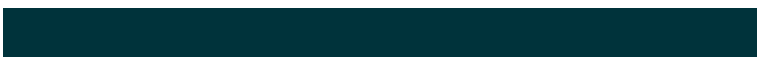
19.9452, 13.7622, 87.1941



16.7944, 18.3530, 21.1999



21.6182, 29.0302, 51.0020



1.9518, 2.6551, 4.4998

Inverse Universe

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



49.0676, 23.9381, 63.6642



54.2252, 26.4541, 70.3091



48.9572, 42.5297, 5.6307



17.1115, 16.7275, 20.3339



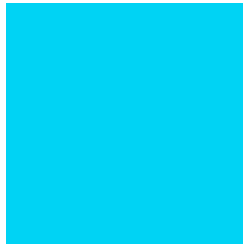
26.7164, 13.0300, 34.8104



2.3743, 1.1557, 3.1972

Previews

White Background



This preview shows how the XYZ color 39.6234, 53.1202, 93.7528 looks on a white background.

Color Contrast Check

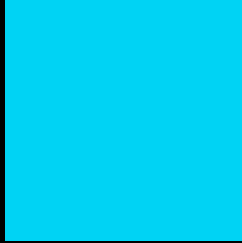
Large Text (above 18pt) WCAG AA × Fail

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 39.6234, 53.1202, 93.7528 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 39.6234, 53.1202, 93.7528

Background



This preview shows how black text looks on a background with the XYZ color 39.6234, 53.1202, 93.7528.

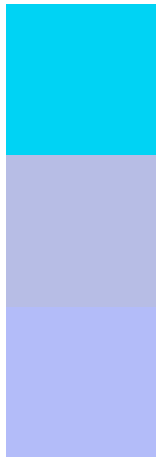


This preview shows how white text looks on a background with the XYZ color 39.6234, 53.1202,

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

39.6234, 53.1202, 93.7528

Protanopia

51.8689, 52.1196, 81.4550

Deuteranopia

53.6725, 52.3897, 96.9059



Tritanopia

38.0772, 53.3017, 83.1443

Trichromacy



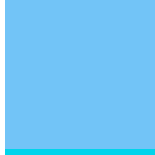
Original Color

39.6234, 53.1202, 93.7528



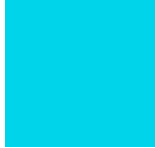
Protanomaly

42.0200, 49.5860, 85.1983



Deuteranomaly

43.4679, 49.7727, 95.3118



Tritanomaly

38.5389, 53.0851, 86.8125

Monochromacy



Original Color

39.6234, 53.1202, 93.7528



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.6303, 35.9313, 51.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6234, 53.1202, 93.7528 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, 211, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 244)  
}
```

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, 211, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 244) }
```

Border

The CSS property to change the border of an element to XYZ 39.6234, 53.1202, 93.7528 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, 211, 244) }
```


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

```
.border{ border-color:rgb(0, 211, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6234, 53.1202, 93.7528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 244) }
```

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

```
.background{ background-color: rgb(0, 211,  
244) }
```

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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