

Converting Colors

XYZ(40.9736, 56.8534, 91.0189)

Have a look what the booklet for
XYZ(40.9736, 56.8534, 91.0189)
contains.

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Color

**XYZ(41.0597, 56.9543,
91.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBF0
RGB	0, 219, 240
RGB Percent	0%, 86%, 94%
CMY	0.9997, 0.1412, 0.0588
CMYK	1.00, 0.09, 0.00, 0.06
HSL	185°, 100%, 47%
HSV	185°, 100%, 94%
XYZ	41.0597, 56.9543, 91.2673
YIQ	155.9130, -137.2650, -39.8970

Conversions

Conversions Part 2

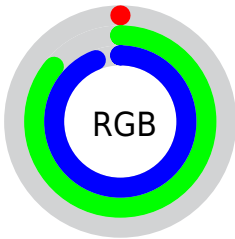
Format	Color
RYB	0, 115, 240
Decimal	56304
CIELab	80.15, -36.48, -22.79
CIELCh	80, 43.016, 211.994
Yxy	56.9543, 0.2169, 0.3009
Android (android.graphics.Color)	4278246384 (0xFF00DBF0)
YUV	155.9130, 41.4549, -136.7357
Hunter-Lab	75.4681, -34.9531, -18.8747

Details

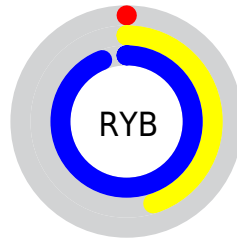
The XYZ color **41.0597, 56.9543, 91.2673** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.2054, 19.0644, 1.7735**, and the grayscale version is **31.4356, 33.0727, 36.0162**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.7489, 29.6551, 49.9251** is the 20% darker color. If you saturate the color by 10%, you get **41.0591, 56.9529, 91.2681**, and if you desaturate by 10%, it is **41.9904, 58.2539, 91.4702**.

Distribution



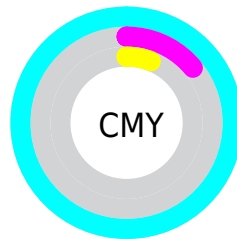
- Red (0%)
- Green (86%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (14%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0597, 56.9543, 91.2673 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 41.0597, 56.9543, 91.2673 by changing the saturation by 10% instead.

41.0597, 56.9543,
91.2673

41.0597, 56.9543,
91.2673

341.6284,
413.2780, 552.8209

28.5536, 40.9686,
68.4526

76.0486, 100.3985,
151.0483

18.8860, 28.2945,
49.7970

99.2622, 128.6257,
188.8518

11.6914, 18.5478,
34.8821

126.7757,
161.7023, 232.4885

6.6046, 11.3440,
23.2893

158.9543,
200.0125, 282.3771

3.2602, 6.2987,
14.5999

196.1636,
243.9408, 338.9361

1.2928, 3.0275,
8.3956

238.7688,

0.1778, 1.1461,

293.8715, 402.5840

4.2577

287.1353,
350.1892, 473.7394

■ 0.0000, 0.0170,
1.7678

■ 0.0000, 0.0000,
0.4066

■ 41.0597, 56.9543,
91.2673

■ 41.0597, 56.9543,
91.2673

■ 41.0591, 56.9529,
91.2681

■ 41.9904, 58.2539,
91.4702

■ 43.3927, 59.8057,
91.6958

■ 45.4135, 61.6868,
91.9524

■ 48.1393, 63.9416,
92.2439

■ 51.6428, 66.6078,
92.5739

■ 55.9876, 69.7182,
92.9453

■ 61.2305, 73.3020,
93.3607

■ 67.4237, 77.3862,
93.8226

■ 74.6149, 81.9956,
94.3333

Harmonies

Analogous

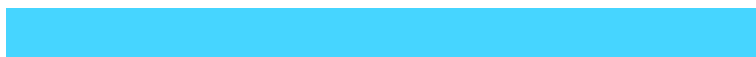
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9751, 56.9543, 63.7086



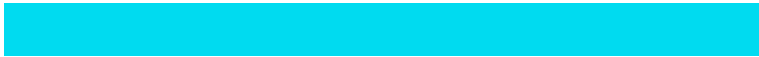
41.0597, 56.9543, 91.2673



46.5982, 56.9543, 115.1426

Triad

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



41.0597, 56.9543, 91.2673



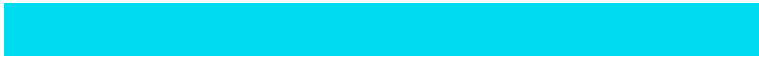
70.4203, 56.9543, 87.5542



53.5489, 56.9543, 25.1992

Complementary

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



41.0597, 56.9543, 91.2673



36.2054, 19.0644, 1.7735

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.



62.4399, 56.9543, 28.4119



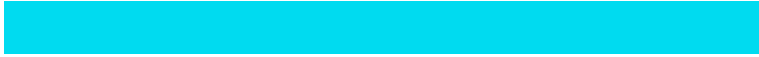
41.0597, 56.9543, 91.2673



72.7862, 56.9543, 60.3488

Square

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



41.0597, 56.9543, 91.2673



63.5640, 56.9543, 112.6235



69.7236, 56.9543, 39.7922



45.6849, 56.9543, 29.4220

Rectangle

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



41.0597, 56.9543, 91.2673



51.8197, 56.9543, 123.1499



69.7236, 56.9543, 39.7922



56.5149, 56.9543, 25.4420

Sweetspot

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



41.0615, 56.9564, 91.2687



70.1863, 84.0667, 107.1350



31.2882, 62.3722, 11.0547



14.4515, 17.6074, 22.8868



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.



41.0615, 56.9564, 91.2687



47.0993, 65.3185, 104.7331



20.2902, 15.4138, 84.3449



16.1222, 17.6785, 20.2842



22.5262, 31.2766, 49.9776



1.9084, 2.6708, 4.1692

Inverse Universe

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



48.7230, 23.6416, 69.0152



55.9027, 27.1251, 79.1428



45.3183, 37.2902, 4.8111



16.3911, 16.0062, 19.6158



26.6958, 12.9507, 37.9102



2.2382, 1.0843, 3.2453

Previews

White Background



This preview shows how the XYZ color 41.0597, 56.9543, 91.2673 looks on a white background.

Color Contrast Check

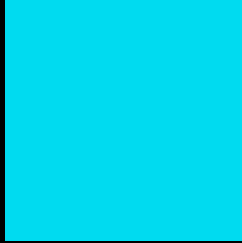
Large Text (above 18pt) WCAG AA × Fail

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 41.0597, 56.9543, 91.2673 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 41.0597, 56.9543, 91.2673

Background



This preview shows how black text looks on a background with the XYZ color 41.0597, 56.9543, 91.2673.

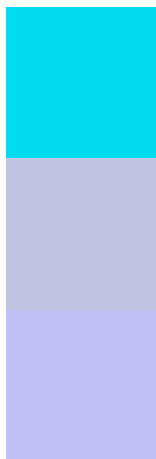


This preview shows how white text looks on a background with the XYZ color 41.0597, 56.9543,

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

41.0597, 56.9543, 91.2673

Protanopia

55.1868, 56.1991, 78.4599

Deuteranopia

57.1904, 55.8701, 94.9585



Tritanopia

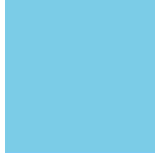
40.6176, 56.7775, 88.9391

Trichromacy



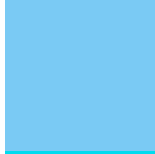
Original Color

41.0597, 56.9543, 91.2673



Protanomaly

44.0442, 53.1099, 82.7928



Deuteranomaly

45.4757, 52.9103, 93.4038



Tritanomaly

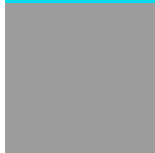
40.7641, 56.8361, 89.7109

Monochromacy



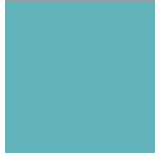
Original Color

41.0597, 56.9543, 91.2673



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.2353, 38.4807, 52.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0597, 56.9543, 91.2673 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, 219, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 240)  
}
```

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, 219, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.0597, 56.9543, 91.2673 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, 219, 240) }
```


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

```
.border{ border-color:rgb(0, 219, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0597, 56.9543, 91.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 240) }
```

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

```
.background{ background-color: rgb(0, 219,  
240) }
```

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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