

Converting Colors

XYZ(47.0607, 61.3544,
117.5925)

Have a look what the booklet for
XYZ(47.0607, 61.3544, 117.5925)
contains.

XYZ(44.7057, 60.5313, 103.9352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.7057, 60.5313,
103.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0FF
RGB	0, 224, 255
RGB Percent	0%, 88%, 100%
CMY	0.9997, 0.1216, 0.0000
CMYK	1.00, 0.12, 0.00, 0.00
HSL	187°, 100%, 50%
HSV	187°, 100%, 100%
XYZ	44.7057, 60.5313, 103.9352
YIQ	160.5580, -143.4550, -37.8470

Conversions

Conversions Part 2

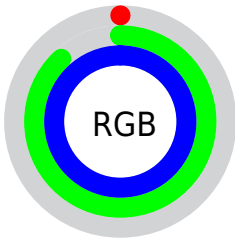
Format	Color
RYB	0, 119, 255
Decimal	57599
CIELab	82.13, -34.11, -27.74
CIELCh	82, 43.967, 219.119
Yxy	60.5313, 0.2137, 0.2894
Android (android.graphics.Color)	4278247679 (0xFF00E0FF)
YUV	160.5580, 46.5599, -140.8094
Hunter-Lab	77.8019, -33.5854, -24.7440

Details

The XYZ color **44.7057, 60.5313, 103.9352** 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 **41.7325, 22.2443, 2.0964**, and the grayscale version is **33.5221, 35.2679, 38.4068**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.1957, 32.0825, 58.3434** is the 20% darker color. If you saturate the color by 10%, you get **44.7037, 60.5275, 103.9346**, and if you desaturate by 10%, it is **45.9628, 62.4290, 104.2352**.

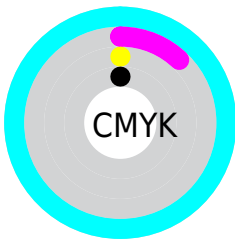
Distribution



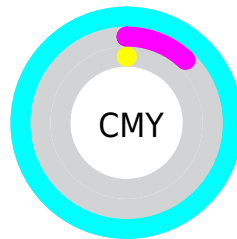
- Red (0%)
- Green (88%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7057, 60.5313, 103.9352 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 44.7057, 60.5313, 103.9352 by changing the saturation by 10% instead.

44.7057, 60.5313,
103.9352

44.7057, 60.5313,
103.9352

356.3841,
426.5534, 594.0910

31.4260, 43.8470,
78.9559

81.5184, 105.6000,
168.6535

21.0768, 30.5503,
58.3385

105.7821,
134.7532, 209.2296

13.2930, 20.2566,
41.6643

134.4378,
168.8315, 255.8416

7.7090, 12.5817,
28.5149

167.8509,
208.2193, 308.9083

3.9595, 7.1412,
18.4718

206.3867,
253.3010, 368.8480

1.6793, 3.5505,
11.1163

250.4106,

0.4432, 1.4255,

304.4610, 436.0793

6.0299

300.2879,
362.0836, 511.0208

■ 0.0000, 0.2354,
2.7942

■ 0.0000, 0.0000,
0.9905

■ 44.7057, 60.5313,
103.9352

■ 44.7057, 60.5313,
103.9352

■ 44.7037, 60.5275,
103.9346

■ 45.9628, 62.4290,
104.2352

■ 47.7731, 64.6333,
104.5653

■ 50.3023, 67.2311,
104.9334

■ 53.6512, 70.2744,
105.3443

■ 57.9043, 73.8068,
105.8020

■ 63.1355, 77.8666,
106.3099

■ 69.4109, 82.4879,
106.8712

■ 76.7908, 87.7020,
107.4886

■ 85.3310, 93.5377,
108.1649

Harmonies

Analogous

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



41.5741, 60.5313, 74.3925



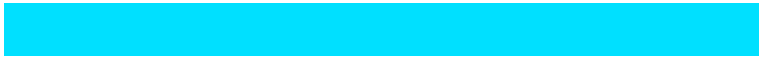
44.7057, 60.5313, 103.9352



51.3723, 60.5313, 126.5189

Triad

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



44.7057, 60.5313, 103.9352



75.9777, 60.5313, 85.9715



54.7361, 60.5313, 27.0782

Complementary

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



44.7057, 60.5313, 103.9352



41.7325, 22.2443, 2.0964

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.



64.1679, 60.5313, 28.6123



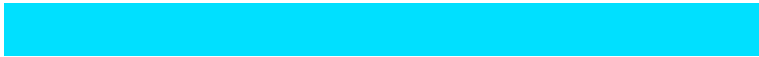
44.7057, 60.5313, 103.9352



77.1288, 60.5313, 58.0950

Square

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



44.7057, 60.5313, 103.9352



69.6122, 60.5313, 114.3519



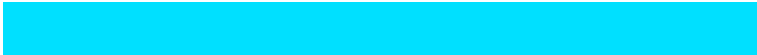
72.6059, 60.5313, 38.5132



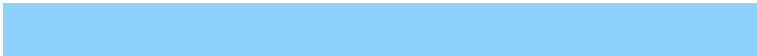
46.9391, 60.5313, 33.5402

Rectangle

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



44.7057, 60.5313, 103.9352



57.2579, 60.5313, 131.7935



72.6059, 60.5313, 38.5132



57.8093, 60.5313, 26.7241

Sweetspot

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



44.7074, 60.5334, 103.9355



69.3890, 82.4721, 106.8693



35.9931, 71.6134, 13.1422



14.2580, 17.2204, 22.8224



0.0000, 0.0000, 0.0000



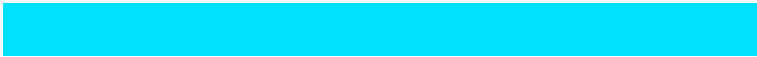
20.3446, 21.4041, 23.3091

Same Dimension

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



44.7074, 60.5334, 103.9355



44.7037, 60.5275, 103.9346



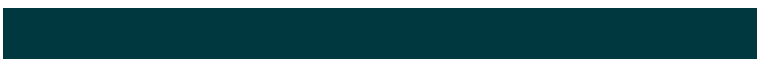
22.4001, 15.9186, 96.4997



18.3553, 20.0821, 23.1588



23.4332, 31.7759, 54.3329



2.3324, 3.1955, 5.3071

Inverse Universe

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



54.6958, 26.6438, 72.7830



54.6936, 26.6414, 72.7756



53.3451, 45.4695, 5.9672



18.6920, 18.2601, 22.2610



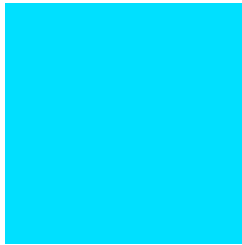
28.6162, 13.9358, 38.2248



2.8119, 1.3671, 3.8568

Previews

White Background



This preview shows how the XYZ color 44.7057, 60.5313, 103.9352 looks on a white background.

Color Contrast Check

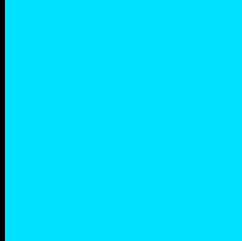
Large Text (above 18pt) WCAG AA × Fail

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 44.7057, 60.5313, 103.9352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

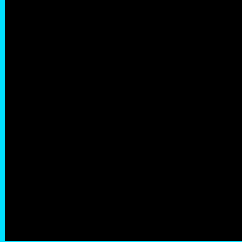
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7057, 60.5313, 103.9352

Background



This preview shows how black text looks on a background with the XYZ color 44.7057, 60.5313, 103.9352.

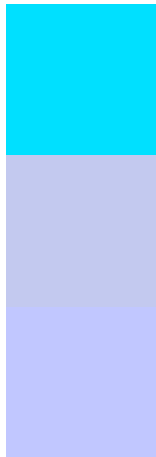


This preview shows how white text looks on a background with the XYZ color 44.7057, 60.5313,

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

44.7057, 60.5313, 103.9352

Protanopia

58.9723, 59.6074, 90.0586

Deuteranopia

60.4657, 59.4043, 102.8870



Tritanopia

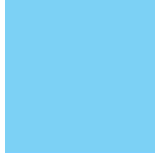
43.1029, 60.3215, 94.1655

Trichromacy



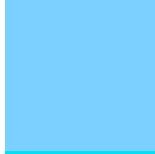
Original Color

44.7057, 60.5313, 103.9352



Protanomaly

47.5941, 56.4786, 94.7792



Deuteranomaly

48.7743, 56.5427, 102.9509



Tritanomaly

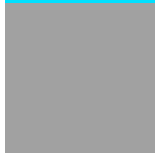
43.7137, 60.5658, 97.3821

Monochromacy



Original Color

44.7057, 60.5313, 103.9352



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.4703, 41.0459, 57.8410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7057, 60.5313, 103.9352 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 255)  
}
```

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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.7057, 60.5313, 103.9352 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, 224, 255) }
```


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

```
.border{ border-color:rgb(0, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7057, 60.5313, 103.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 255) }
```

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

```
.background{ background-color: rgb(0, 224,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor