

Converting Colors

XYZ(44.4018, 63.1002, 94.0407)

Have a look what the booklet for
XYZ(44.4018, 63.1002, 94.0407)
contains.

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Color

**XYZ(44.3238, 63.0044,
93.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6F2
RGB	0, 230, 242
RGB Percent	0%, 90%, 95%
CMY	0.9997, 0.0980, 0.0510
CMYK	1.00, 0.05, 0.00, 0.05
HSL	183°, 100%, 47%
HSV	183°, 100%, 95%
XYZ	44.3238, 63.0044, 93.8294
YIQ	162.5980, -140.9320, -45.0280

Conversions

Conversions Part 2

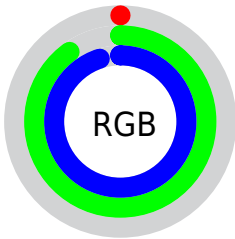
Format	Color
RYB	0, 118, 242
Decimal	59122
CIELab	83.44, -40.90, -18.87
CIELCh	83, 45.046, 204.760
Yxy	63.0044, 0.2203, 0.3132
Android (android.graphics.Color)	4278249202 (0xFF00E6F2)
YUV	162.5980, 39.1452, -142.5984
Hunter-Lab	79.3753, -39.2310, -14.5239

Details

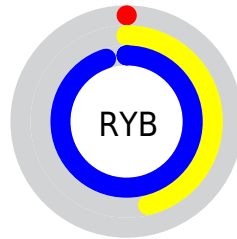
The XYZ color **44.3238, 63.0044, 93.8294** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7511, 19.1422, 1.7597**, and the grayscale version is **34.5025, 36.2993, 39.5299**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **23.9990, 33.8173, 51.7169** is the 20% darker color. If you saturate the color by 10%, you get **44.3240, 63.0045, 93.8306**, and if you desaturate by 10%, it is **45.0432, 63.8741, 93.9605**.

Distribution



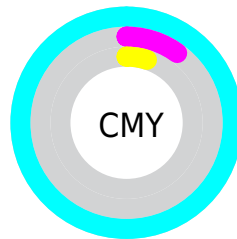
- Red (0%)
- Green (90%)
- Blue (95%)



- Red (0%)
- Yellow (46%)
- Blue (95%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3238, 63.0044, 93.8294 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 44.3238, 63.0044, 93.8294 by changing the saturation by 10% instead.

44.3238, 63.0044,
93.8294

44.3238, 63.0044,
93.8294

354.8579,
435.5855, 561.2989

31.1242, 45.8448,
70.5696

80.9481, 109.1759,
154.6280

20.8457, 32.1233,
51.5113

105.1035,
138.9565, 193.0039

13.1231, 21.4557,
36.2362

133.6414,
173.7129, 237.2555

7.5909, 13.4575,
24.3255

166.9274,
213.8295, 287.8014

3.8839, 7.7444,
15.3608

205.3266,
259.6906, 345.0602

1.6367, 3.9318,
8.9236

249.2046,

0.4161, 1.6355,

311.6807, 409.4503

4.5952

298.9266,
370.1842, 481.3904

■ 0.0000, 0.3813,
1.9572

■ 0.0000, 0.0000,
0.5288

■ 44.3238, 63.0044,
93.8294

■ 44.3238, 63.0044,
93.8294

■ 44.3240, 63.0045,
93.8306

■ 45.0432, 63.8741,
93.9605

■ 46.2386, 64.9913,
94.1132

■ 48.0598, 66.4346,
94.2958

■ 50.5950, 68.2494,
94.5124

■ 53.9184, 70.4739,
94.7667

■ 58.0947, 73.1416,
95.0615

■ 63.1822, 76.2825,
95.3996

■ 69.2339, 79.9238,
95.7835

■ 76.2986, 84.0909,
96.2154

Harmonies

Analogous

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



42.9820, 63.0044, 63.7804



44.3238, 63.0044, 93.8294



49.6374, 63.0044, 122.9157

Triad

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



44.3238, 63.0044, 93.8294



76.6649, 63.0044, 104.7680



61.6247, 63.0044, 27.6159

Complementary

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



44.3238, 63.0044, 93.8294



36.7511, 19.1422, 1.7597

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.



71.4513, 63.0044, 33.2384



44.3238, 63.0044, 93.8294



80.7206, 63.0044, 73.6587

Square

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



44.3238, 63.0044, 93.8294



68.1440, 63.0044, 130.3454



78.7159, 63.0044, 48.3562



52.3197, 63.0044, 30.2842

Rectangle

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



44.3238, 63.0044, 93.8294



55.0568, 63.0044, 135.1105



78.7159, 63.0044, 48.3562



64.9849, 63.0044, 28.5395

Sweetspot

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



44.3258, 63.0067, 93.8309



71.0866, 85.8674, 107.4352



31.7980, 63.5234, 10.8188



14.6704, 18.0453, 22.9598



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.



44.3258, 63.0067, 93.8309



49.9075, 70.9350, 105.6692



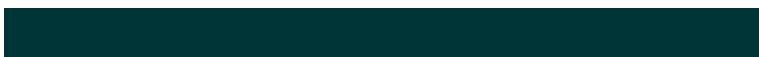
21.9298, 18.2147, 86.3656



16.1763, 17.7867, 20.3022



23.8416, 33.9075, 50.4161



2.0039, 2.8618, 4.2010

Inverse Universe

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



50.9026, 24.5923, 76.9292



57.3202, 27.6921, 86.6072



44.4821, 34.6041, 4.3367



16.4184, 16.0171, 19.7596



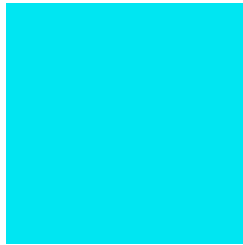
27.3598, 13.2163, 41.4067



2.2864, 1.1036, 3.4991

Previews

White Background



This preview shows how the XYZ color 44.3238, 63.0044, 93.8294 looks on a white background.

Color Contrast Check

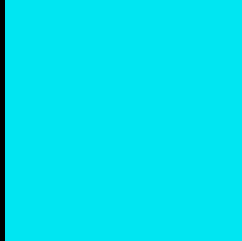
Large Text (above 18pt) WCAG AA × Fail

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 44.3238, 63.0044, 93.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

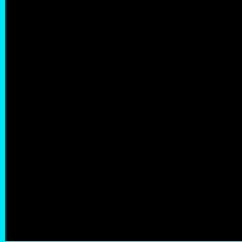
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3238, 63.0044, 93.8294

Background



This preview shows how black text looks on a background with the XYZ color 44.3238, 63.0044, 93.8294.

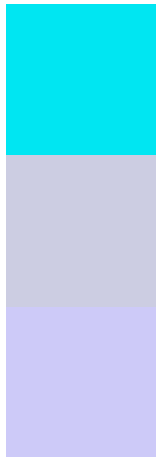


This preview shows how white text looks on a background with the XYZ color 44.3238, 63.0044,

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

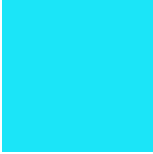
44.3238, 63.0044, 93.8294

Protanopia

60.4606, 61.9910, 80.7303

Deuteranopia

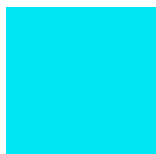
63.2406, 61.9975, 97.4405



Tritanopia

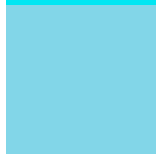
45.4146, 63.0489, 98.5830

Trichromacy



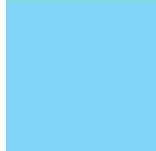
Original Color

44.3238, 63.0044, 93.8294



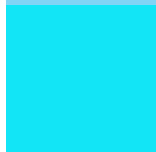
Protanomaly

47.8180, 58.6652, 85.1472



Deuteranomaly

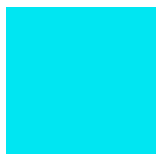
49.3840, 58.4866, 95.8750



Tritanomaly

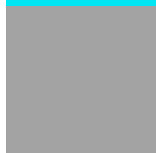
44.8850, 62.8116, 96.9469

Monochromacy



Original Color

44.3238, 63.0044, 93.8294



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.9937, 42.2895, 56.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3238, 63.0044, 93.8294 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 242) }
```

Border

The CSS property to change the border of an element to XYZ 44.3238, 63.0044, 93.8294 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, 242) }
```


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

```
.border{ border-color:rgb(0, 230, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3238, 63.0044, 93.8294 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, 242) }
```

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

```
.background{ background-color: rgb(0, 230,  
242) }
```

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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