

Converting Colors

XYZ(44.4781, 63.4266, 85.7382)

Have a look what the booklet for
XYZ(44.4781, 63.4266, 85.7382)
contains.

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Color

**XYZ(44.3515, 63.2039,
85.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	38E6E7
RGB	56, 230, 231
RGB Percent	22%, 90%, 91%
CMY	0.7803, 0.0980, 0.0941
CMYK	0.76, 0.00, 0.00, 0.09
HSL	180°, 78%, 56%
HSV	180°, 76%, 91%
XYZ	44.3515, 63.2039, 85.4633
YIQ	178.0880, -104.0250, -36.5770

Conversions

Conversions Part 2

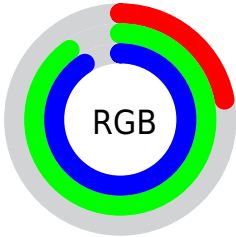
Format	Color
RYB	56, 143, 231
Decimal	3729127
CIELab	83.55, -41.28, -12.85
CIElCh	84, 43.230, 197.294
Yxy	63.2039, 0.2298, 0.3274
Android (android.graphics.Color)	4281919207 (0xFF38E6E7)
YUV	178.0880, 26.0856, -107.0712
Hunter-Lab	79.5009, -39.5460, -8.0860

Details

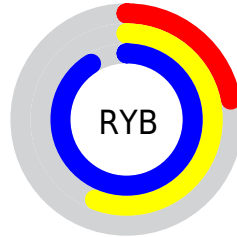
The XYZ color **44.3515, 63.2039, 85.4633** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **35.1333, 20.2022, 5.7908**, and the grayscale version is **42.2721, 44.4735, 48.4316**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **22.9725, 33.4067, 46.3117** is the 20% darker color. If you saturate the color by 10%, you get **43.3095, 62.6137, 85.4055**, and if you desaturate by 10%, it is **45.9924, 64.1056, 85.5520**.

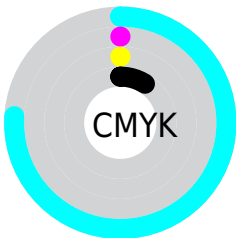
Distribution



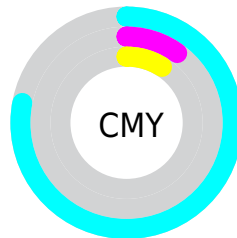
- Red (22%)
- Green (90%)
- Blue (91%)



- Red (22%)
- Yellow (56%)
- Blue (91%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (78%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3515, 63.2039, 85.4633 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 44.3515, 63.2039, 85.4633 by changing the saturation by 10% instead.


 44.3515, 63.2039,
85.4633


 44.3515, 63.2039,
85.4633


354.9688,
436.3091, 533.3444


 31.1460, 46.0062,
63.6719


 80.9895, 109.4636,
142.9002

 20.8624, 32.2507,
45.9405

 105.1527,
139.2944, 179.3828

 13.1354, 21.5531,
31.8506


 133.6992,
174.1050, 221.5995

 7.5995, 13.5289,
20.9835

 166.9944,
214.2798, 269.9690

 3.8894, 7.7937,
12.9208

205.4036,
260.2033, 324.9096

 1.6397, 3.9632,
7.2440

249.2921,

 0.4181, 1.6530,

312.2597, 386.8400

3.5344

299.0254,
370.8335, 456.1788

■ 0.0000, 0.3930,
1.3736

■ 0.0000, 0.0000,
0.1210

■ 44.3515, 63.2039,
85.4633

■ 44.3515, 63.2039,
85.4633

■ 43.3095, 62.6137,
85.4055

■ 45.9924, 64.1056,
85.5520


■ 42.7713, 62.2819,
85.3698


■ 48.2989, 65.3492,
85.6705


■ 42.6329, 62.1874,
85.3588


■ 51.3353, 66.9690,
85.8231


■ 55.1565, 68.9935,
86.0125

 59.8123, 71.4483,
86.2409

 65.3484, 74.3570,
86.5106

 71.8073, 77.7413,
86.8234

 79.2284, 81.6218,
87.1813

 84.2930, 84.2875,
87.4288

Harmonies

Analogous

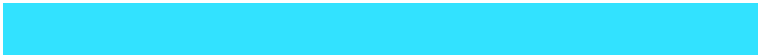
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0449, 63.2039, 58.0032



44.3515, 63.2039, 85.4633



48.5811, 63.2039, 114.5394

Triad

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



44.3515, 63.2039, 85.4633



74.4282, 63.2039, 110.4543



64.1560, 63.2039, 29.5345

Complementary

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



44.3515, 63.2039, 85.4633



35.1333, 20.2022, 5.7908

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.



73.2487, 63.2039, 37.2424



44.3515, 63.2039, 85.4633



79.5836, 63.2039, 80.9006

Square

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



44.3515, 63.2039, 85.4633



65.6344, 63.2039, 131.3644



79.1306, 63.2039, 54.4883



54.8358, 63.2039, 30.1519

Rectangle

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



44.3515, 63.2039, 85.4633



53.3339, 63.2039, 128.7976



79.1306, 63.2039, 54.4883



67.3580, 63.2039, 31.1309

Sweetspot

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



44.3534, 63.2063, 85.4648



76.5595, 90.3095, 108.0041



30.9221, 58.2795, 13.3624



15.8848, 19.0658, 23.0928



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.



44.3534, 63.2063, 85.4648



53.7414, 78.0799, 106.8462



25.9545, 26.4084, 79.3318



14.8001, 16.3216, 18.5147



23.9037, 34.8694, 47.8538



1.7687, 2.5813, 3.5370

Inverse Universe

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



48.6537, 25.5322, 77.2293



59.3830, 29.0058, 95.9633



43.5685, 37.0725, 8.6025



14.9914, 14.6138, 18.1552



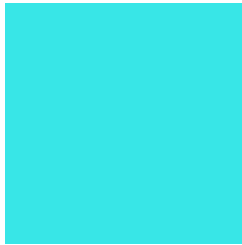
26.4590, 12.7178, 42.9074



1.9564, 0.9403, 3.1768

Previews

White Background



This preview shows how the XYZ color 44.3515, 63.2039, 85.4633 looks on a white background.

Color Contrast Check

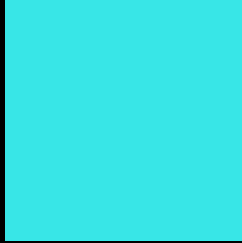
Large Text (above 18pt) WCAG AA × Fail

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 44.3515, 63.2039, 85.4633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

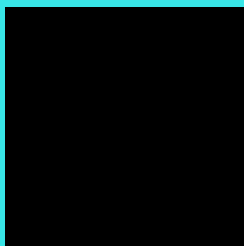
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

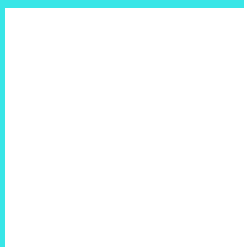
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.3515, 63.2039, 85.4633

Background



This preview shows how black text looks on a background with the XYZ color 44.3515, 63.2039, 85.4633.

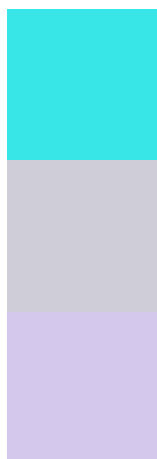


This preview shows how white text looks on a background with the XYZ color 44.3515, 63.2039,

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

44.3515, 63.2039, 85.4633

Protanopia

59.9581, 61.8859, 73.7508

Deuteranopia

63.3241, 61.8848, 88.7282



Tritanopia

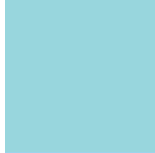
46.6927, 63.3339, 96.9525

Trichromacy



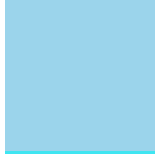
Original Color

44.3515, 63.2039, 85.4633



Protanomaly

50.0466, 59.9890, 77.3479



Deuteranomaly

52.0564, 60.0537, 87.4451



Tritanomaly

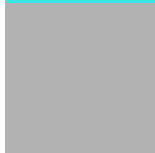
45.9464, 63.4463, 93.0438

Monochromacy



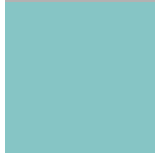
Original Color

44.3515, 63.2039, 85.4633



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.8758, 49.0321, 60.1858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3515, 63.2039, 85.4633 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(56, 230, 231)` looks like.

```
.text, #text, p{  
    color:rgb(56, 230, 231)  
}
```

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(56, 230, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 230, 231) }
```

Border

The CSS property to change the border of an element to XYZ 44.3515, 63.2039, 85.4633 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(56, 230, 231) }
```


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

```
.border{ border-color:rgb(56, 230, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 230, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 230, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 230, 231);  
box-shadow:4px 4px 4px 4px rgb(56, 230,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3515, 63.2039, 85.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 230, 231) }
```

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

```
.background{ background-color: rgb(56, 230,  
231) }
```

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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