

Converting Colors

XYZ(47.0742, 56.6813,
117.4301)

Have a look what the booklet for
XYZ(47.0742, 56.6813, 117.4301)
contains.

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Color

**XYZ(44.4175, 55.7628,
103.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	4AD4FF
RGB	74, 212, 255
RGB Percent	29%, 83%, 100%
CMY	0.7098, 0.1686, 0.0000
CMYK	0.71, 0.17, 0.00, 0.00
HSL	194°, 100%, 65%
HSV	194°, 71%, 100%
XYZ	44.4175, 55.7628, 103.0300
YIQ	175.6400, -96.0510, -15.8830

Conversions

Conversions Part 2

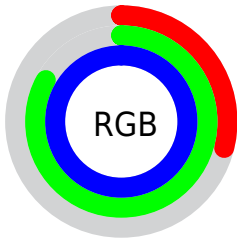
Format	Color
RYB	74, 152, 255
Decimal	4904191
CIELab	79.48, -23.54, -31.73
CIELCh	79, 39.508, 233.434
Yxy	55.7628, 0.2186, 0.2744
Android (android.graphics.Color)	4283094271 (0xFF4AD4FF)
YUV	175.6400, 39.1245, -89.1383
Hunter-Lab	74.6745, -24.5059, -29.5315

Details

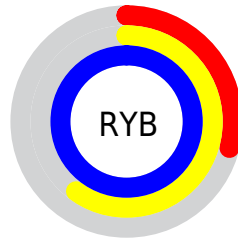
The XYZ color **44.4175, 55.7628, 103.0300** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.8388, 34.4792, 10.5617**, and the grayscale version is **40.9207, 43.0517, 46.8833**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **22.2500, 28.1912, 57.6948** is the 20% darker color. If you saturate the color by 10%, you get **41.3512, 51.9770, 102.4609**, and if you desaturate by 10%, it is **48.3389, 60.0760, 103.6558**.

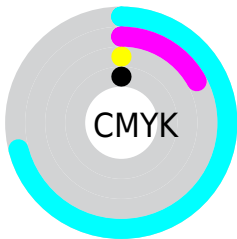
Distribution



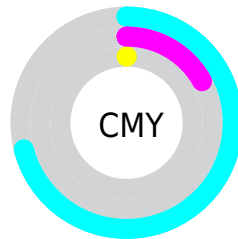
- Red (29%)
- Green (83%)
- Blue (100%)



- Red (29%)
- Yellow (60%)
- Blue (100%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4175, 55.7628, 103.0300 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 44.4175, 55.7628, 103.0300 by changing the saturation by 10% instead.

■ 44.4175, 55.7628,
103.0300

■ 44.4175, 55.7628,
103.0300

355.2328,
408.7970, 591.1935

■ 31.1982, 40.0128,
78.2025

■ 81.0881, 98.6577,
167.4030

■ 20.9024, 27.5485,
57.7229

■ 105.2700,
126.5713, 207.7855

■ 13.1647, 17.9856,
41.1727

■ 133.8369,
159.3083, 254.1901

■ 7.6198, 10.9396,
28.1333

■ 167.1541,
197.2530, 307.0354

■ 3.9024, 6.0263,
18.1863

205.5869,
240.7898, 366.7398

■ 1.6471, 2.8611,
10.9130

249.5007,

■ 0.4228, 1.0596,

290.3032, 433.7220

5.8949

299.2609,
346.1774, 508.4003

■ 0.0000, 0.0000,
2.7135

■ 0.0000, 0.0000,
0.9502

■ 44.4175, 55.7628,
103.0300

■ 44.4175, 55.7628,
103.0300

■ 41.3512, 51.9770,
102.4609

■ 48.3389, 60.0760,
103.6558

■ 39.0317, 48.6585,
101.9426

■ 53.1968, 64.9561,
104.3418

■ 37.4354, 45.9908,
101.5118

■ 59.0681, 70.4448,
105.0917

■ 66.0203, 76.5777,
105.9091

■ 74.1146, 83.3873,
106.7968

■ 83.4077, 90.9036,
107.7578

■ 93.9522, 99.1546,
108.7947

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



40.1931, 55.7628, 79.8138



44.4175, 55.7628, 103.0300



51.2746, 55.7628, 115.3221

Triad

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



44.4175, 55.7628, 103.0300



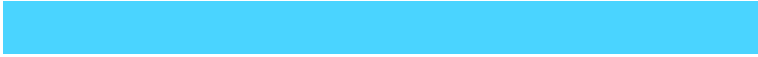
69.6570, 55.7628, 65.8532



47.1592, 55.7628, 28.7906

Complementary

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



44.4175, 55.7628, 103.0300



48.8388, 34.4792, 10.5617

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.



54.7655, 55.7628, 26.8191



44.4175, 55.7628, 103.0300



68.2758, 55.7628, 44.9374

Square

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



44.4175, 55.7628, 103.0300



66.2302, 55.7628, 90.6604



62.6244, 55.7628, 31.9384



41.6621, 55.7628, 38.2192

Rectangle

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



44.4175, 55.7628, 103.0300



56.6268, 55.7628, 113.9329



62.6244, 55.7628, 31.9384



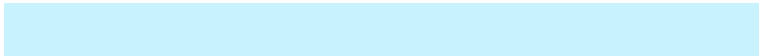
49.5331, 55.7628, 27.3501

Sweetspot

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



44.4191, 55.7647, 103.0303



74.0936, 83.3700, 106.7946



41.7515, 74.2429, 28.7268



15.3557, 17.4274, 22.8044



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.



44.4191, 55.7647, 103.0303



40.3344, 50.5886, 102.2465



27.8683, 22.6631, 97.5133



18.1677, 19.7069, 23.0962



19.6819, 24.2734, 53.0825



2.0002, 2.5311, 5.1964

Inverse Universe

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



55.5736, 30.9127, 65.3270



52.7812, 26.9983, 59.2465



64.7255, 66.2526, 15.8573



18.5973, 18.2222, 21.7624



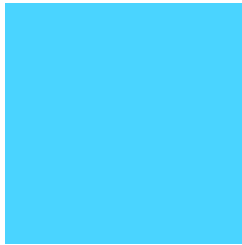
26.7227, 13.1784, 28.2540



2.6442, 1.3001, 2.9738

Previews

White Background



This preview shows how the XYZ color 44.4175, 55.7628, 103.0300 looks on a white background.

Color Contrast Check

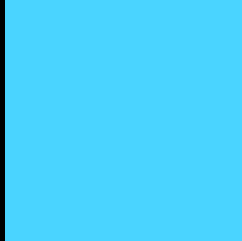
Large Text (above 18pt) WCAG AA × Fail

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 44.4175, 55.7628, 103.0300 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

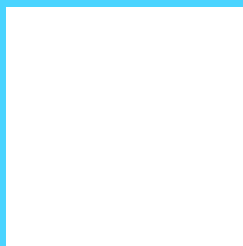
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4175, 55.7628, 103.0300

Background



This preview shows how black text looks on a background with the XYZ color 44.4175, 55.7628, 103.0300.

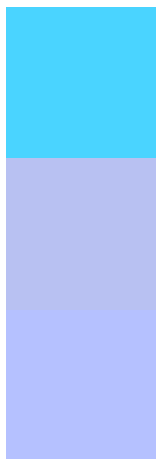


This preview shows how white text looks on a background with the XYZ color 44.4175, 55.7628,

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

44.4175, 55.7628, 103.0300

Protanopia

54.8641, 54.7411, 91.6788

Deuteranopia

56.1760, 55.1837, 102.2985



Tritanopia

41.0675, 55.9247, 85.7209

Trichromacy



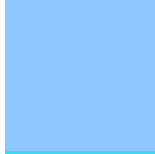
Original Color

44.4175, 55.7628, 103.0300



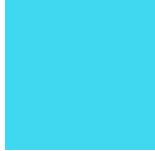
Protanomaly

48.9444, 53.9532, 95.8301



Deuteranomaly

49.8596, 54.2793, 102.4568



Tritanomaly

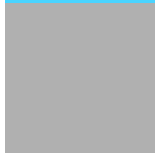
42.2920, 56.0417, 91.8072

Monochromacy



Original Color

44.4175, 55.7628, 103.0300



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.8645, 46.2919, 64.5918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4175, 55.7628, 103.0300 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(74, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 212, 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(74, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.4175, 55.7628, 103.0300 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(74, 212, 255) }
```


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

```
.border{ border-color:rgb(74, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4175, 55.7628, 103.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 212, 255) }
```

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

```
.background{ background-color: rgb(74, 212,  
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](#).

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