

Converting Colors

XYZ(43.3263, 56.8345,
103.2944)

Have a look what the booklet for
XYZ(43.3263, 56.8345, 103.2944)
contains.

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Color

**XYZ(43.2331, 56.6551,
103.2646)**

Conversions

Conversions Part 1

Format	Color
Hex	21D8FF
RGB	33, 216, 255
RGB Percent	13%, 85%, 100%
CMY	0.8705, 0.1529, 0.0000
CMYK	0.87, 0.15, 0.00, 0.00
HSL	191°, 100%, 56%
HSV	191°, 87%, 100%
XYZ	43.2331, 56.6551, 103.2646
YIQ	165.7290, -121.5870, -26.6670

Conversions

Conversions Part 2

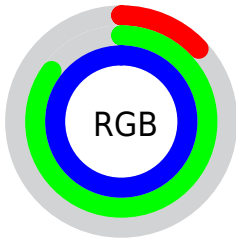
Format	Color
R_{YB}	33, 133, 255
Decimal	2218239
CIE _{Lab}	79.99, -29.20, -31.01
CIE _{LCh}	80, 42.592, 226.719
Yxy	56.6551, 0.2128, 0.2789
Android (android.graphics.Color)	4280408319 (0xFF21D8FF)
YUV	165.7290, 44.0106, -116.4033
Hunter-Lab	75.2696, -29.1955, -28.6530

Details

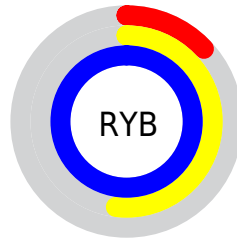
The XYZ color **43.2331, 56.6551, 103.2646** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.8341, 26.0083, 4.1509**, and the grayscale version is **35.9562, 37.8287, 41.1955**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **22.9379, 29.5670, 57.9241** is the 20% darker color. If you saturate the color by 10%, you get **41.5686, 54.1173, 102.8625**, and if you desaturate by 10%, it is **45.5461, 59.5758, 103.7065**.

Distribution



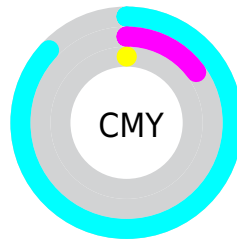
- Red (13%)
- Green (85%)
- Blue (100%)



- Red (13%)
- Yellow (52%)
- Blue (100%)



- Cyan (87%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2331, 56.6551, 103.2646 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 43.2331, 56.6551, 103.2646 by changing the saturation by 10% instead.

43.2331, 56.6551,
103.2646

43.2331, 56.6551,
103.2646

350.4748,
412.1557, 591.9452

30.2634, 40.7284,
78.3977

79.3160, 99.9618,
167.7272

20.1876, 28.1069,
57.8824

103.1599,
128.1105, 208.1599

12.6406, 18.4063,
41.3000

131.3592,
161.1021, 254.6184

7.2568, 11.2421,
28.2321

164.2794,
199.3208, 307.5211

3.6710, 6.2299,
18.2601

202.2856,
243.1511, 367.2866

1.5177, 2.9854,
10.9655

245.7434,

0.3378, 1.1241,

292.9775, 434.3334

5.9298

295.0180,
349.1842, 509.0801

■ 0.0000, 0.0000,
2.7343

■ 0.0000, 0.0000,
0.9606

■ 43.2331, 56.6551,
103.2646

■ 43.2331, 56.6551,
103.2646

■ 41.5686, 54.1173,
102.8625

■ 45.5461, 59.5758,
103.7065

■ 41.1459, 53.4119,
102.7486

■ 48.6241, 62.9366,
104.1930

■ 52.5642, 66.7890,
104.7289

■ 57.4475, 71.1752,
105.3181

■ 63.3455, 76.1324,
105.9641

■ 70.3227, 81.6941,
106.6699

■ 78.4382, 87.8912,
107.4383

■ 87.7464, 94.7521,
108.2720

■ 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.



39.4400, 56.6551, 76.4294



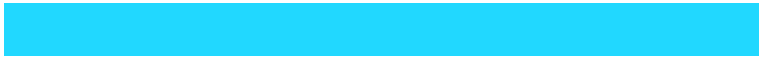
43.2331, 56.6551, 103.2646



50.1181, 56.6551, 120.6242

Triad

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



43.2331, 56.6551, 103.2646



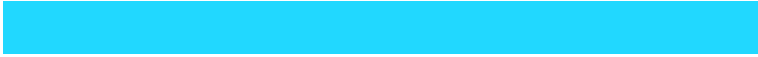
71.7109, 56.6551, 73.2890



49.2049, 56.6551, 26.3918

Complementary

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



43.2331, 56.6551, 103.2646



43.8341, 26.0083, 4.1509

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.



57.7605, 56.6551, 25.9741



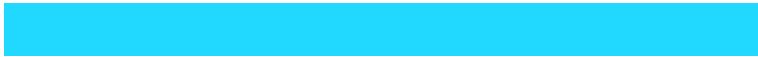
43.2331, 56.6551, 103.2646



71.3987, 56.6551, 48.9751

Square

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



43.2331, 56.6551, 103.2646



66.8863, 56.6551, 100.4416



66.0743, 56.6551, 33.1044



42.6264, 56.6551, 34.4570

Rectangle

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



43.2331, 56.6551, 103.2646



55.8184, 56.6551, 122.1106



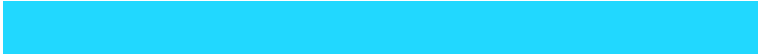
66.0743, 56.6551, 33.1044



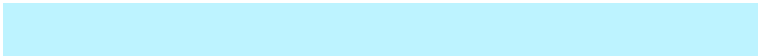
51.9264, 56.6551, 25.4459

Sweetspot

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



43.2348, 56.6570, 103.2649



71.1179, 82.3125, 106.7473



37.4945, 72.2864, 17.7751



14.6691, 17.1859, 22.7940



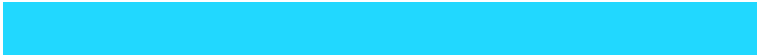
0.0000, 0.0000, 0.0000



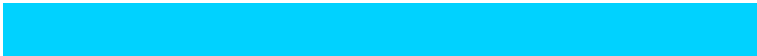
20.3446, 21.4041, 23.3091

Same Dimension

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



43.2348, 56.6570, 103.2649



41.1459, 53.4119, 102.7486



23.9380, 18.0635, 96.8327



18.2674, 19.9064, 23.1295



21.5987, 28.1070, 53.7214



2.1710, 2.8727, 5.2533

Inverse Universe

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



54.1797, 27.3074, 67.3829



52.8978, 25.9231, 63.3190



58.0409, 54.4219, 8.8865



18.6476, 18.2424, 22.0275



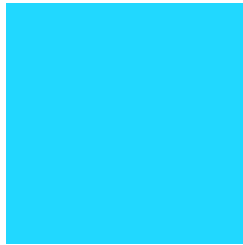
27.6902, 13.5654, 33.3489



2.7304, 1.3345, 3.4278

Previews

White Background



This preview shows how the XYZ color 43.2331, 56.6551, 103.2646 looks on a white background.

Color Contrast Check

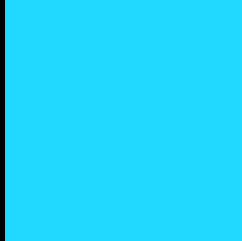
Large Text (above 18pt) WCAG AA × Fail

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 43.2331, 56.6551, 103.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

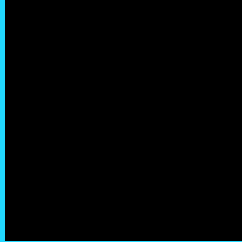
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.2331, 56.6551, 103.2646

Background



This preview shows how black text looks on a background with the XYZ color 43.2331, 56.6551, 103.2646.

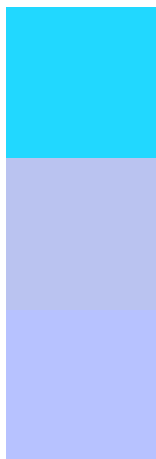


This preview shows how white text looks on a background with the XYZ color 43.2331, 56.6551,

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

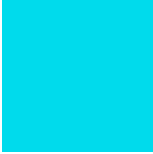
43.2331, 56.6551, 103.2646

Protanopia

55.4930, 55.7606, 90.2762

Deuteranopia

56.8702, 55.8709, 102.3945



Tritanopia

40.4718, 56.7192, 88.1717

Trichromacy



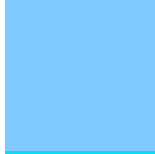
Original Color

43.2331, 56.6551, 103.2646



Protanomaly

47.0433, 54.0503, 94.3395



Deuteranomaly

48.0726, 54.0503, 102.5068



Tritanomaly

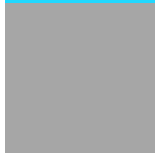
41.4007, 56.6920, 93.5546

Monochromacy



Original Color

43.2331, 56.6551, 103.2646



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.8047, 42.2097, 59.7390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2331, 56.6551, 103.2646 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(33, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 216, 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(33, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.2331, 56.6551, 103.2646 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(33, 216, 255) }
```


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

```
.border{ border-color:rgb(33, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2331, 56.6551, 103.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 216, 255) }
```

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

```
.background{ background-color: rgb(33, 216,  
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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