

# Converting Colors

XYZ(41.6415, 56.4939, 95.8338)

Have a look what the booklet for  
XYZ(41.6415, 56.4939, 95.8338)  
contains.

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# Color

**XYZ(41.5726, 56.3441,  
95.8732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AD9F6
RGB	10, 217, 246
RGB Percent	4%, 85%, 96%
CMY	0.9605, 0.1490, 0.0353
CMYK	0.96, 0.12, 0.00, 0.04
HSL	187°, 93%, 50%
HSV	187°, 96%, 96%
XYZ	41.5726, 56.3441, 95.8732
YIQ	158.4130, -132.6810, -34.8650

# Conversions

## Conversions Part 2

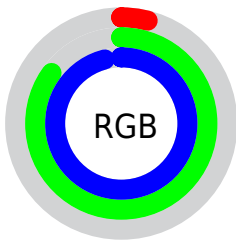
Format	Color
R <sub>YB</sub>	10, 120, 246
Decimal	711158
CIE Lab	79.81, -33.43, -26.51
CIE LCh	80, 42.662, 218.411
Yxy	56.3441, 0.2145, 0.2907
Android (android.graphics.Color)	4278901238 (0xFF0AD9F6)
YUV	158.4130, 43.1804, -130.1582
Hunter-Lab	75.0627, -32.4996, -23.1837

# Details

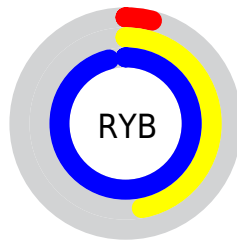
The XYZ color **41.5726, 56.3441, 95.8732** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.7894, 21.0707, 2.3118**, and the grayscale version is **32.5501, 34.2453, 37.2931**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **22.2146, 29.5584, 53.2497** is the 20% darker color. If you saturate the color by 10%, you get **41.1305, 55.6455, 95.7627**, and if you desaturate by 10%, it is **42.9169, 58.2058, 96.1628**.

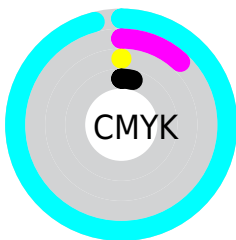
# Distribution



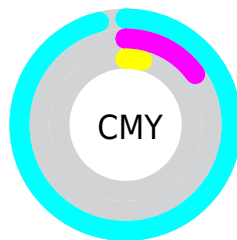
- Red (4%)
- Green (85%)
- Blue (96%)



- Red (4%)
- Yellow (47%)
- Blue (96%)



- Cyan (96%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (96%)
- Magenta (15%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5726, 56.3441, 95.8732 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 41.5726, 56.3441, 95.8732 by changing the saturation by 10% instead.



41.5726, 56.3441,  
95.8732

41.5726, 56.3441,  
95.8732

343.7300,  
410.9870, 568.0123

28.9564, 40.4789,  
72.2611

76.8216, 99.5075,  
157.4764

19.1920, 27.9121,  
52.8838

100.1851,  
127.5745, 196.3044

11.9139, 18.2594,  
37.3229

127.8618,  
160.4775, 241.0416

6.7569, 11.1364,  
25.1599

160.2170,  
198.6009, 292.1064

3.3555, 6.1587,  
15.9761

197.6160,  
242.3292, 349.9173

1.3444, 2.9418,  
9.3531

240.4243,

0.2161, 1.1014,

292.0467, 414.8929

4.8722

289.0072,  
348.1379, 487.4517

■ 0.0000, 0.0000,  
2.1151

■ 0.0000, 0.0000,  
0.6247

■ 41.5726, 56.3441,  
95.8732

■ 41.5726, 56.3441,  
95.8732

■ 41.1305, 55.6455,  
95.7627

■ 42.9169, 58.2058,  
96.1628

■ 44.8555, 60.3942,  
96.4830

■ 47.4957, 62.9656,  
96.8402

■ 50.9227, 65.9641,  
97.2383

■ 55.2094, 69.4275,  
97.6809

■ 60.4203, 73.3891,  
98.1709

■ 66.6137, 77.8790,  
98.7111

■ 73.8429, 82.9249,  
99.3041

■ 82.1575, 88.5524,  
99.9521

# Harmonies

## Analogous

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



38.7555, 56.3441, 68.5677



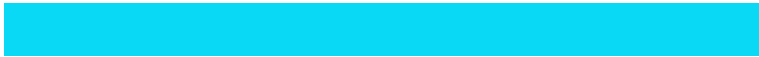
41.5726, 56.3441, 95.8732



47.6757, 56.3441, 117.0111

# Triad

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



41.5726, 56.3441, 95.8732



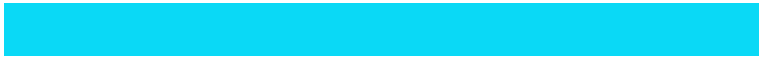
70.5160, 56.3441, 80.5535



51.1622, 56.3441, 25.3178

# Complementary

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



41.5726, 56.3441, 95.8732



38.7894, 21.0707, 2.3118

# 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.



59.8954, 56.3441, 26.9153



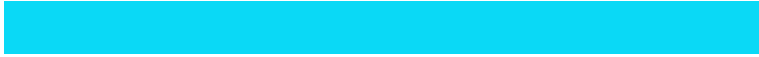
41.5726, 56.3441, 95.8732



71.7070, 56.3441, 54.6559

# Square

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



41.5726, 56.3441, 95.8732



64.5411, 56.3441, 106.6406



67.6396, 56.3441, 36.3024

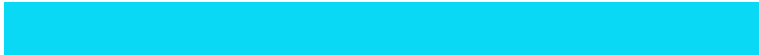


43.8894, 56.3441, 31.1324

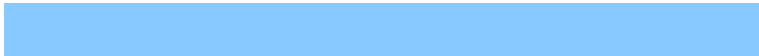


# Rectangle

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



41.5726, 56.3441, 95.8732



53.0944, 56.3441, 122.1860



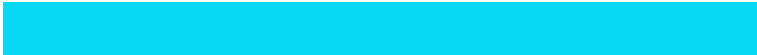
67.6396, 56.3441, 36.3024



54.0150, 56.3441, 25.0455

# Sweetspot

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



41.5744, 56.3461, 95.8746



70.0464, 82.9071, 106.9186



33.4256, 66.1147, 12.7994



14.3811, 17.3015, 22.8315



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

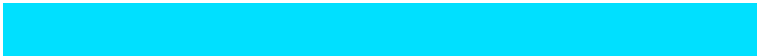


# Same Dimension

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



41.5744, 56.3461, 95.8746



44.6138, 60.3476, 103.9046



21.3671, 15.9314, 89.1388



16.8127, 18.3897, 21.2060



22.0241, 29.8420, 51.1373



1.9836, 2.7185, 4.5104



# Inverse Universe

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



50.6406, 24.8216, 67.7696



54.6482, 26.6233, 72.5365



49.8766, 43.2450, 6.0075



17.1208, 16.7312, 20.3827



26.9213, 13.1119, 35.8894

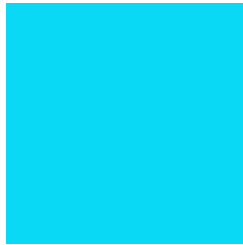


2.3903, 1.1621, 3.2815



# Previews

## White Background



This preview shows how the XYZ color 41.5726, 56.3441, 95.8732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

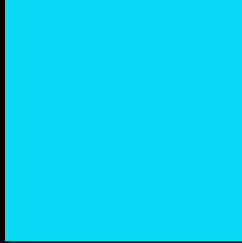
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5726, 56.3441, 95.8732 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 41.5726, 56.3441, 95.8732**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5726, 56.3441, 95.8732.



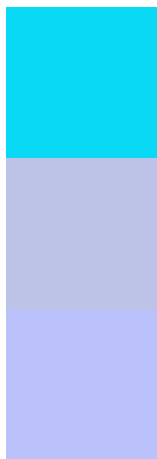
This preview shows how white text looks on a background with the XYZ color 41.5726, 56.3441,



# 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

41.5726, 56.3441, 95.8732

### Protanopia

54.7019, 55.1719, 83.3675

### Deuteranopia

56.7323, 55.5441, 98.9978

# Trichromacy



## Original Color

41.5726, 56.3441, 95.8732

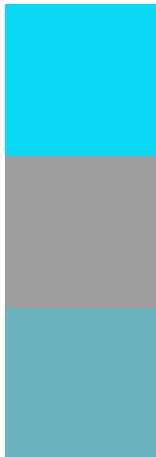
## Protanomaly

44.5730, 52.5823, 87.1570

## Deuteranomaly

46.2455, 53.2182, 97.4573

# Monochromacy



## Original Color

41.5726, 56.3441, 95.8732

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

31.1233, 38.9010, 54.5835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5726, 56.3441, 95.8732 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(10, 217, 246)` looks like.

```
.text, #text, p{  
    color:rgb(10, 217, 246)  
}
```

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(10, 217, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 217, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5726, 56.3441, 95.8732 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(10, 217, 246) }
```

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

```
.border{ border-color:rgb(10, 217, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 217, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 217, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 217, 246);  
box-shadow:4px 4px 4px 4px rgb(10, 217,  
246) }
```



# Background

The CSS property to change the background color of an element to XYZ 41.5726, 56.3441, 95.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 217, 246) }
```

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

```
.background{ background-color: rgb(10, 217,  
246) }
```

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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