

# Converting Colors

XYZ(45.0142, 56.9618,  
103.2300)

Have a look what the booklet for  
XYZ(45.0142, 56.9618, 103.2300)  
contains.

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# Color

**XYZ(44.9206, 56.7690,  
103.1977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AD6FF
RGB	74, 214, 255
RGB Percent	29%, 84%, 100%
CMY	0.7098, 0.1608, 0.0000
CMYK	0.71, 0.16, 0.00, 0.00
HSL	194°, 100%, 65%
HSV	194°, 71%, 100%
XYZ	44.9206, 56.7690, 103.1977
YIQ	176.8140, -96.6010, -16.9290

# Conversions

## Conversions Part 2

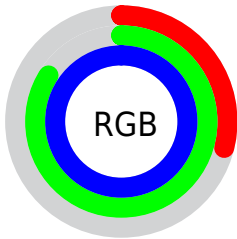
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	74, 153, 255
Decimal	4904703
CIE Lab	80.05, -24.54, -30.85
CIE LCh	80, 39.422, 231.505
Yxy	56.7690, 0.2192, 0.2771
Android (android.graphics.Color)	4283094783 (0xFF4AD6FF)
YUV	176.8140, 38.5457, -90.1679
Hunter-Lab	75.3452, -25.4329, -28.4658

# Details

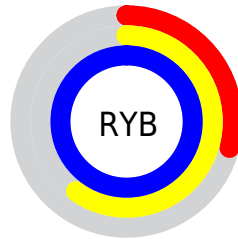
The XYZ color **44.9206, 56.7690, 103.1977** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.6082, 34.0180, 10.4849**, and the grayscale version is **41.5354, 43.6985, 47.5876**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **22.5912, 28.8735, 57.8085** is the 20% darker color. If you saturate the color by 10%, you get **41.9044, 53.0833, 102.6453**, and if you desaturate by 10%, it is **48.7870, 60.9721, 103.8052**.

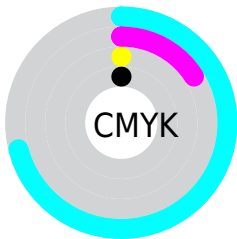
# Distribution



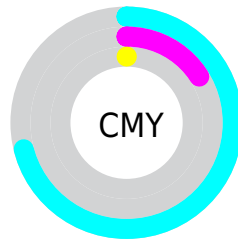
- Red (29%)
- Green (84%)
- Blue (100%)



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



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9206, 56.7690, 103.1977 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 44.9206, 56.7690, 103.1977 by changing the saturation by 10% instead.



44.9206, 56.7690,  
103.1977

44.9206, 56.7690,  
103.1977

357.2410,  
412.5832, 591.7309

31.5959, 40.8198,  
78.3420

81.8390, 100.1281,  
167.6347

21.2071, 28.1783,  
57.8369

106.1635,  
128.3067, 208.0532

13.3888, 18.4601,  
41.2637

134.8853,  
161.3306, 254.4963

7.7756, 11.2808,  
28.2039

168.3697,  
199.5842, 307.3826

4.0023, 6.2561,  
18.2391

206.9821,  
243.4519, 367.1307

1.7034, 3.0014,  
10.9505

251.0879,

0.4584, 1.1325,

293.3180, 434.1591

5.9198

301.0524,  
349.5669, 508.8863

■ 0.0000, 0.0055,  
2.7284

■ 0.0000, 0.0000,  
0.9577

■ 44.9206, 56.7690,  
103.1977

■ 44.9206, 56.7690,  
103.1977

■ 41.9044, 53.0833,  
102.6453

■ 48.7870, 60.9721,  
103.8052

■ 39.6300, 49.8551,  
102.1420

■ 53.5848, 65.7321,  
104.4711

■ 38.0703, 47.2607,  
101.7234

■ 59.3909, 71.0903,  
105.1993

■ 66.2726, 77.0823,  
105.9932

■ 74.2911, 83.7403,  
106.8557

■ 83.5030, 91.0943,  
107.7896

■ 93.9609, 99.1720,  
108.7976

■ 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.



40.8497, 56.7690, 79.4472



44.9206, 56.7690, 103.1977



51.7122, 56.7690, 116.5562

# Triad

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



44.9206, 56.7690, 103.1977



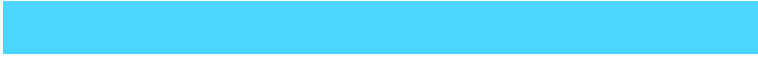
70.6823, 56.7690, 68.5646



48.5018, 56.7690, 29.1664

# Complementary

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



44.9206, 56.7690, 103.1977



48.6082, 34.0180, 10.4849

# 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.



56.2663, 56.7690, 27.6253



44.9206, 56.7690, 103.1977



69.6056, 56.7690, 47.0007

# Square

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



44.9206, 56.7690, 103.1977



66.9422, 56.7690, 93.5608



64.1311, 56.7690, 33.2998



42.7704, 56.7690, 38.2054



# Rectangle

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



44.9206, 56.7690, 103.1977



57.0903, 56.7690, 115.9427



64.1311, 56.7690, 33.2998



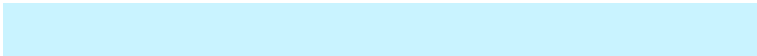
50.9409, 56.7690, 27.8614

# Sweetspot

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



44.9223, 56.7710, 103.1980



74.2702, 83.7234, 106.8535



41.5783, 74.1737, 27.8151



15.3981, 17.5122, 22.8186



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.



44.9223, 56.7710, 103.1980



40.9064, 51.7324, 102.4371



28.2456, 23.4175, 97.6391



18.1854, 19.7424, 23.1021



20.0102, 24.9300, 53.1919



2.0296, 2.5899, 5.2062



# Inverse Universe

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



55.8275, 31.0143, 66.6642



53.0698, 27.1138, 60.7667



64.0028, 64.8073, 15.6164



18.6062, 18.2258, 21.8096



26.8884, 13.2447, 29.1266

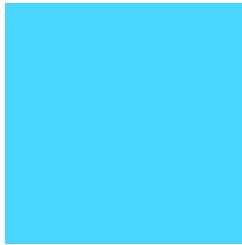


2.6591, 1.3060, 3.0520



# Previews

## White Background



This preview shows how the XYZ color 44.9206, 56.7690, 103.1977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

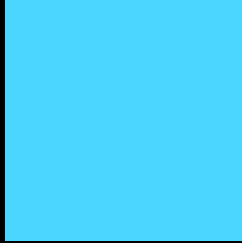
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9206, 56.7690, 103.1977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

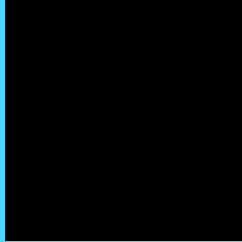
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

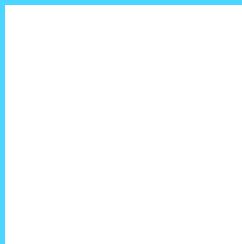
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9206, 56.7690, 103.1977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9206, 56.7690, 103.1977.



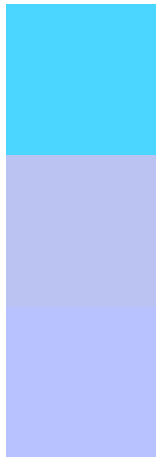
This preview shows how white text looks on a background with the XYZ color 44.9206, 56.7690,



# 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

44.9206, 56.7690, 103.1977

### Protanopia

55.7918, 55.8801, 91.8498

### Deuteranopia

56.8702, 55.8709, 102.3945



## Tritanopia

41.6717, 56.5845, 87.3228

# Trichromacy



**Original Color**

44.9206, 56.7690, 103.1977

**Protanomaly**

49.5861, 54.9762, 95.9937

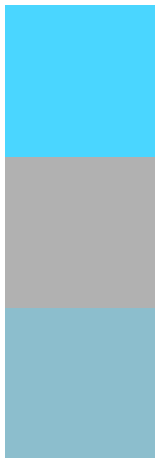
**Deuteranomaly**

50.2643, 54.8329, 102.5423

**Tritanomaly**

42.7629, 56.6464, 92.6844

# Monochromacy



**Original Color**

44.9206, 56.7690, 103.1977

**Achromatopsia**

41.7894, 43.9657, 47.8787

**Achromatomaly**

40.2481, 46.8101, 64.6716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9206, 56.7690, 103.1977 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 214, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9206, 56.7690, 103.1977 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, 214, 255) }
```



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

```
.border{ border-color:rgb(74, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 214,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9206, 56.7690, 103.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 214, 255) }
```

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

```
.background{ background-color: rgb(74, 214,  
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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