

# Converting Colors

XYZ(45.8936, 61.4304,  
101.9317)

Have a look what the booklet for  
XYZ(45.8936, 61.4304, 101.9317)  
contains.

<b>XYZ(45.9121, 61.6088, 101.5673)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(45.9121, 61.6088,  
101.5673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34E1FC
RGB	52, 225, 252
RGB Percent	20%, 88%, 99%
CMY	0.7960, 0.1176, 0.0118
CMYK	0.79, 0.11, 0.00, 0.01
HSL	188°, 97%, 60%
HSV	188°, 79%, 99%
XYZ	45.9121, 61.6088, 101.5673
YIQ	176.3510, -111.7750, -28.2790

# Conversions

## Conversions Part 2

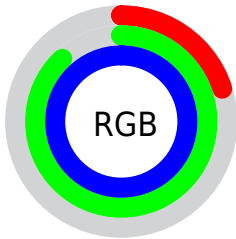
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 145, 252
Decimal	3465724
CIE <sub>Lab</sub>	82.70, -33.14, -25.24
CIE <sub>LCh</sub>	83, 41.654, 217.289
Yxy	61.6088, 0.2196, 0.2947
Android (android.graphics.Color)	4281655804 (0xFF34E1FC)
YUV	176.3510, 37.2950, -109.0558
Hunter-Lab	78.4913, -32.9493, -21.7771

# Details

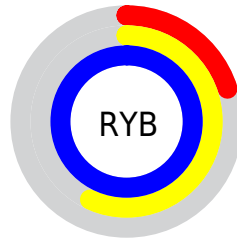
The XYZ color **45.9121, 61.6088, 101.5673** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.5628, 26.5381, 6.0773**, and the grayscale version is **41.3067, 43.4578, 47.3256**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **24.0383, 32.3161, 56.6004** is the 20% darker color. If you saturate the color by 10%, you get **44.0335, 59.2898, 101.2199**, and if you desaturate by 10%, it is **48.5041, 64.3253, 101.9562**.

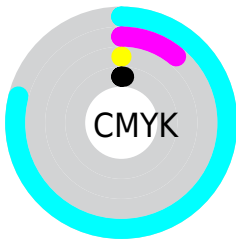
# Distribution



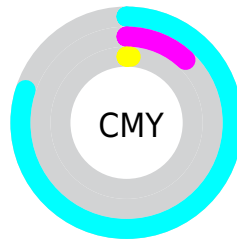
- Red (20%)
- Green (88%)
- Blue (99%)



- Red (20%)
- Yellow (57%)
- Blue (99%)



- Cyan (79%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)




- Cyan (80%)
- Magenta (12%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9121, 61.6088, 101.5673 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 45.9121, 61.6088, 101.5673 by changing the saturation by 10% instead.





 45.9121, 61.6088,  
101.5673


 45.9121, 61.6088,  
101.5673


361.1770,  
430.5027, 586.4955


 32.3808, 44.7167,  
76.9859


 83.3161, 107.1599,  
165.3800


 21.8095, 31.2343,  
56.7298


 107.9195,  
136.5877, 205.4484

 13.8328, 20.7773,  
40.3805


 136.9443,  
170.9629, 251.5162

 8.0854, 12.9613,  
27.5193

 170.7559,  
210.6698, 304.0020

 4.2019, 7.4019,  
17.7277

209.7196,  
256.0928, 363.3242

 1.8170, 3.7147,  
10.5873

254.2008,

 0.5279, 1.5153,

307.6164, 429.9016

5.6794

304.5648,  
365.6249, 504.1525

■ 0.0000, 0.2995,  
2.5855

■ 0.0000, 0.0000,  
0.8850

■ 45.9121, 61.6088,  
101.5673

■ 45.9121, 61.6088,  
101.5673

■ 44.0335, 59.2898,  
101.2199

■ 48.5041, 64.3253,  
101.9562

■ 42.7142, 57.2849,  
100.9024

■ 51.9003, 67.4825,  
102.3866

■ 42.6373, 57.1611,  
100.8826

■ 56.1840, 71.1247,  
102.8638

■ 61.4265, 75.2888,  
103.3913

67.6915, 80.0079,  
103.9720

75.0375, 85.3122,  
104.6086

83.5183, 91.2297,  
105.3038

93.1842, 97.7864,  
106.0599

94.5709, 99.8084,  
106.3771

# Harmonies

## Analogous

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



43.1003, 61.6088, 73.5274



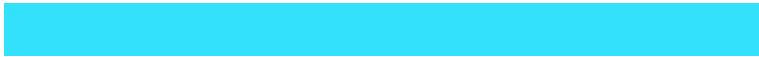
45.9121, 61.6088, 101.5673



52.1650, 61.6088, 123.5507

# Triad

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



45.9121, 61.6088, 101.5673



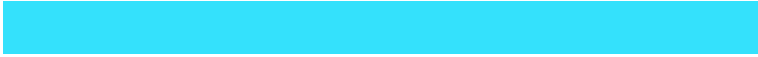
75.8989, 61.6088, 87.9521



56.4021, 61.6088, 29.1248

# Complementary

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



45.9121, 61.6088, 101.5673



43.5628, 26.5381, 6.0773

# 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.



65.4516, 61.6088, 31.1307



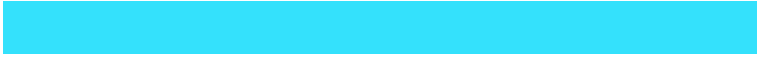
45.9121, 61.6088, 101.5673



77.3278, 61.6088, 61.0238

# Square

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



45.9121, 61.6088, 101.5673



69.6075, 61.6088, 114.3960



73.3342, 61.6088, 41.4460



48.7432, 61.6088, 35.0291

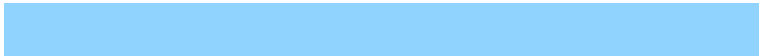


# Rectangle

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



45.9121, 61.6088, 101.5673



57.7477, 61.6088, 129.2930



73.3342, 61.6088, 41.4460



59.3745, 61.6088, 28.9286

# Sweetspot

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



45.9141, 61.6110, 101.5688



73.4275, 85.0242, 107.1490



37.6277, 70.9121, 19.0409



15.1533, 17.7897, 22.8850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

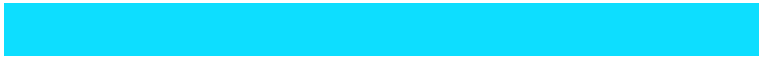


# Same Dimension

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



45.9141, 61.6110, 101.5688



44.4122, 59.7034, 103.7909



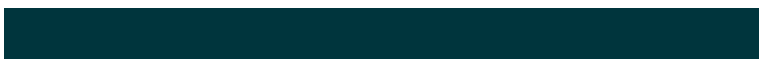
26.3654, 22.5137, 95.0526



17.5543, 19.1854, 22.1632



22.2900, 29.9355, 52.5769



2.1180, 2.8796, 4.8874



# Inverse Universe

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



54.9652, 28.5897, 73.8578



54.6052, 26.8313, 71.6161



56.8205, 53.0536, 10.4966



17.8863, 17.4819, 21.2570



27.5430, 13.4329, 35.8973

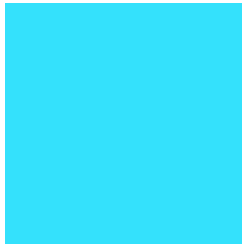


2.5780, 1.2549, 3.4670



# Previews

## White Background



This preview shows how the XYZ color 45.9121, 61.6088, 101.5673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

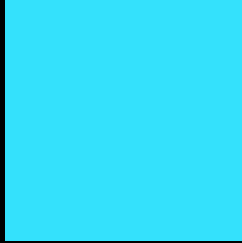
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9121, 61.6088, 101.5673 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 45.9121, 61.6088, 101.5673

## Background



This preview shows how black text looks on a background with the XYZ color 45.9121, 61.6088, 101.5673.



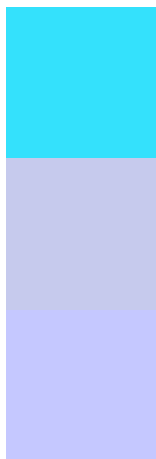
This preview shows how white text looks on a background with the XYZ color 45.9121, 61.6088,



# 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

45.9121, 61.6088, 101.5673

### Protanopia

59.6953, 60.3613, 88.6254

### Deuteranopia

61.7302, 60.3989, 103.0124



## Tritanopia

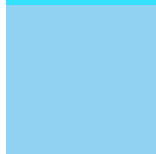
44.7165, 61.5208, 95.9041

# Trichromacy



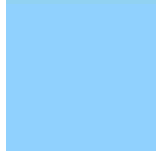
## Original Color

45.9121, 61.6088, 101.5673



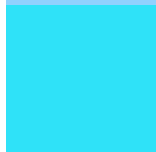
## Protanomaly

50.7507, 58.5237, 92.6258



## Deuteranomaly

52.1915, 58.6860, 102.3427



## Tritanomaly

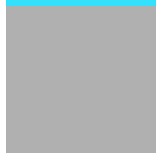
45.3119, 61.7744, 98.3424

# Monochromacy



## Original Color

45.9121, 61.6088, 101.5673



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

39.5509, 47.7685, 64.2624

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9121, 61.6088, 101.5673 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(52, 225, 252)` looks like.

```
.text, #text, p{  
    color:rgb(52, 225, 252)  
}
```

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(52, 225, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 225, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9121, 61.6088, 101.5673 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(52, 225, 252) }
```



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

```
.border{ border-color:rgb(52, 225, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 225, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 225, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 225, 252);  
box-shadow:4px 4px 4px 4px rgb(52, 225,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9121, 61.6088, 101.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 225, 252) }
```

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

```
.background{ background-color: rgb(52, 225,  
252) }
```

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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