

# Converting Colors

XYZ(52.5276, 64.7151,  
138.4212)

Have a look what the booklet for  
XYZ(52.5276, 64.7151, 138.4212)  
contains.

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# Color

**XYZ(45.9739, 61.9878,  
104.1495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24E2FF
RGB	36, 226, 255
RGB Percent	14%, 89%, 100%
CMY	0.8587, 0.1137, 0.0000
CMYK	0.86, 0.11, 0.00, 0.00
HSL	188°, 100%, 57%
HSV	188°, 86%, 100%
XYZ	45.9739, 61.9878, 104.1495
YIQ	172.4960, -122.5490, -31.2610

# Conversions

## Conversions Part 2

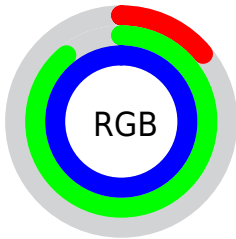
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	36, 138, 255
Decimal	2417407
CIE Lab	82.91, -33.83, -26.53
CIE LCh	83, 42.995, 218.100
Yxy	61.9878, 0.2167, 0.2922
Android (android.graphics.Color)	4280607487 (0xFF24E2FF)
YUV	172.4960, 40.6745, -119.7070
Hunter-Lab	78.7323, -33.5507, -23.3180

# Details

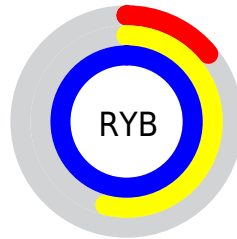
The XYZ color **45.9739, 61.9878, 104.1495** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.4505, 25.1708, 4.2395**, and the grayscale version is **39.3133, 41.3607, 45.0418**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **44.4698, 59.8639, 103.8188**, and if you desaturate by 10%, it is **48.1316, 64.4780, 104.5164**.

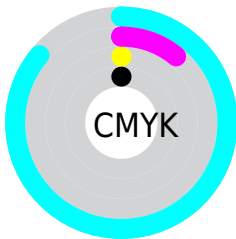
# Distribution



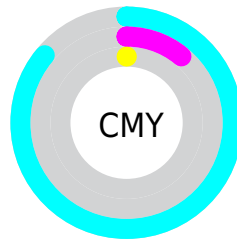
- Red (14%)
- Green (89%)
- Blue (100%)



- Red (14%)
- Yellow (54%)
- Blue (100%)



- Cyan (86%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (86%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9739, 61.9878, 104.1495 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 45.9739, 61.9878, 104.1495 by changing the saturation by 10% instead.




 45.9739, 61.9878,  
104.1495


 45.9739, 61.9878,  
104.1495


361.4214,  
431.8866, 594.7759


 32.4298, 45.0228,  
79.1343


 83.4080, 107.7079,  
168.9494

 21.8471, 31.4754,  
58.4843


 108.0287,  
137.2318, 209.5712

 13.8606, 20.9611,  
41.7808


 137.0724,  
171.7109, 256.2323

 8.1048, 13.0956,  
28.6054

 170.9042,  
211.5294, 309.3512

 4.2145, 7.4944,  
18.5395

209.8897,  
257.0719, 369.3465

 1.8242, 3.7732,  
11.1646

254.3942,

 0.5322, 1.5475,

308.7226, 436.6366

6.0621

304.7829,  
366.8661, 511.6403

■ 0.0000, 0.3218,  
2.8135

■ 0.0000, 0.0000,  
1.0002

■ 45.9739, 61.9878,  
104.1495

■ 45.9739, 61.9878,  
104.1495

■ 44.4698, 59.8639,  
103.8188

■ 48.1316, 64.4780,  
104.5164

■ 43.9679, 59.0557,  
103.6893

■ 51.0530, 67.3876,  
104.9241

■ 54.8331, 70.7671,  
105.3772

■ 59.5517, 74.6577,  
105.8794

■ 65.2790, 79.0957,  
106.4342

■ 72.0788, 84.1142,  
107.0445

■ 80.0094, 89.7434,  
107.7130

■ 89.1249, 96.0113,  
108.4424

■ 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.



42.9732, 61.9878, 74.9463



45.9739, 61.9878, 104.1495



52.5159, 61.9878, 126.8060

# Triad

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



45.9739, 61.9878, 104.1495



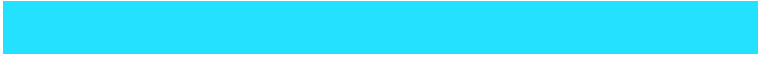
77.0527, 61.9878, 88.3819



56.4413, 61.9878, 28.5186

# Complementary

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



45.9739, 61.9878, 104.1495



43.4505, 25.1708, 4.2395

# 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.



65.8193, 61.9878, 30.3437



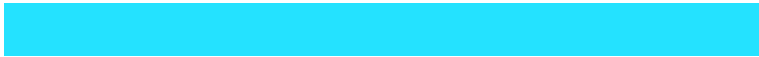
45.9739, 61.9878, 104.1495



78.3859, 61.9878, 60.5532

# Square

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



45.9739, 61.9878, 104.1495



70.6153, 61.9878, 116.1655



74.0877, 61.9878, 40.6401

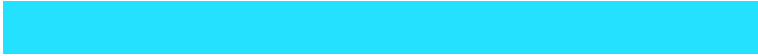


48.5887, 61.9878, 34.7641

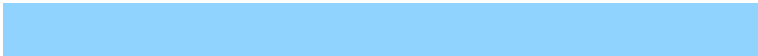


# Rectangle

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



45.9739, 61.9878, 104.1495



58.3286, 61.9878, 132.4541



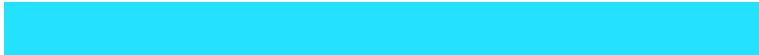
74.0877, 61.9878, 40.6401



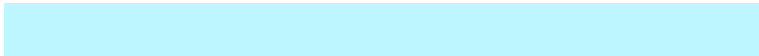
59.5104, 61.9878, 28.2484

# Sweetspot

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



45.9757, 61.9899, 104.1498



71.9848, 84.0462, 107.0363



37.3463, 72.2387, 16.4714



14.8778, 17.6034, 22.8636



0.0000, 0.0000, 0.0000

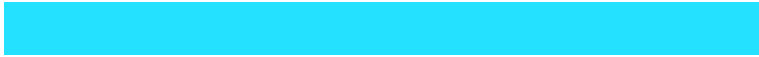


20.3446, 21.4041, 23.3091

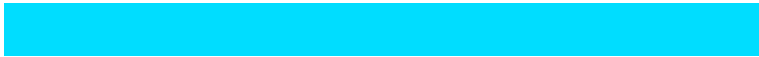


# Same Dimension

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



45.9757, 61.9899, 104.1498



43.9679, 59.0557, 103.6893



25.4909, 21.0204, 97.3216



18.3376, 20.0469, 23.1529



23.0540, 31.0175, 54.2065



2.2992, 3.1291, 5.2961



# Inverse Universe

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



55.5996, 28.0145, 74.4307



54.3221, 26.4929, 70.8196



56.1331, 50.5361, 8.4671



18.6831, 18.2565, 22.2142



28.4248, 13.8592, 37.2169

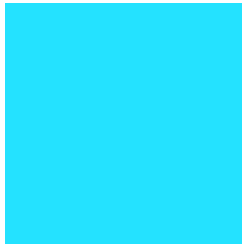


2.7951, 1.3604, 3.7685



# Previews

## White Background



This preview shows how the XYZ color 45.9739, 61.9878, 104.1495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

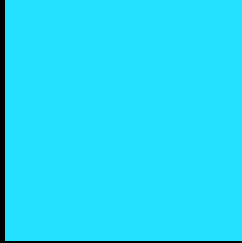
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9739, 61.9878, 104.1495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

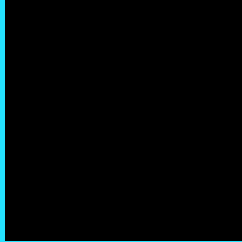
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.9739, 61.9878, 104.1495

## Background



This preview shows how black text looks on a background with the XYZ color 45.9739, 61.9878, 104.1495.



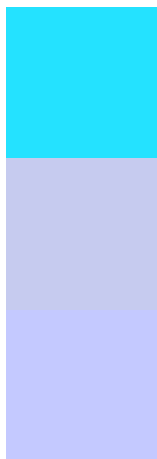
This preview shows how white text looks on a background with the XYZ color 45.9739, 61.9878,



# 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

45.9739, 61.9878, 104.1495

### Protanopia

60.2246, 60.9496, 90.2516

### Deuteranopia

61.7016, 60.7291, 103.0776



## Tritanopia

44.3173, 61.7022, 96.7627

# Trichromacy



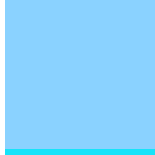
## Original Color

45.9739, 61.9878, 104.1495



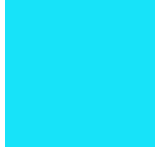
## Protanomaly

50.4232, 58.6701, 95.0531



## Deuteranomaly

51.5778, 58.7165, 103.2227



## Tritanomaly

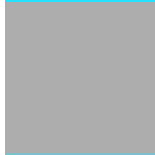
44.9213, 61.9599, 99.2144

# Monochromacy



## Original Color

45.9739, 61.9878, 104.1495



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

37.7975, 46.2220, 63.4295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9739, 61.9878, 104.1495 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(36, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 226, 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(36, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9739, 61.9878, 104.1495 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(36, 226, 255) }
```



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

```
.border{ border-color:rgb(36, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9739, 61.9878, 104.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 226, 255) }
```

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

```
.background{ background-color: rgb(36, 226,  
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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