

Converting Colors

XYZ(45.8943, 61.7068,
104.0995)

Have a look what the booklet for
XYZ(45.8943, 61.7068, 104.0995)
contains.

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Color

**XYZ(45.7745, 61.4825,
104.0625)**

Conversions

Conversions Part 1

Format	Color
Hex	26E1FF
RGB	38, 225, 255
RGB Percent	15%, 88%, 100%
CMY	0.8509, 0.1176, 0.0000
CMYK	0.85, 0.12, 0.00, 0.00
HSL	188°, 100%, 57%
HSV	188°, 85%, 100%
XYZ	45.7745, 61.4825, 104.0625
YIQ	172.5070, -121.0820, -30.3140

Conversions

Conversions Part 2

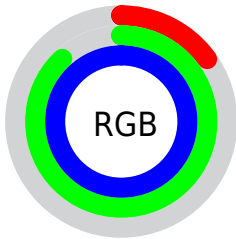
Format	Color
R _Y B	38, 138, 255
Decimal	2548223
CIE Lab	82.64, -33.24, -26.94
CIE LCh	83, 42.786, 219.023
Yxy	61.4825, 0.2166, 0.2909
Android (android.graphics.Color)	4280738303 (0xFF26E1FF)
YUV	172.5070, 40.6690, -117.9626
Hunter-Lab	78.4108, -33.0145, -23.7989

Details

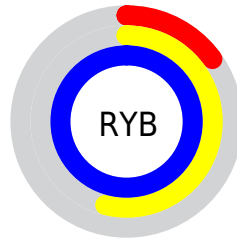
The XYZ color **45.7745, 61.4825, 104.0625** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.6586, 25.5369, 4.4638**, and the grayscale version is **39.3180, 41.3656, 45.0471**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **24.3810, 32.4532, 58.4052** is the 20% darker color. If you saturate the color by 10%, you get **44.1918, 59.2675, 103.7184**, and if you desaturate by 10%, it is **48.0225, 64.0721, 104.4438**.

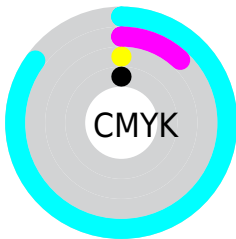
Distribution



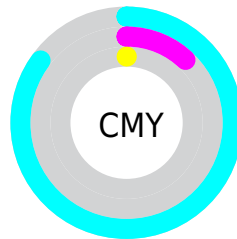
- Red (15%)
- Green (88%)
- Blue (100%)



- Red (15%)
- Yellow (54%)
- Blue (100%)



- Cyan (85%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7745, 61.4825, 104.0625 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 45.7745, 61.4825, 104.0625 by changing the saturation by 10% instead.

45.7745, 61.4825,
104.0625

45.7745, 61.4825,
104.0625

360.6325,
430.0409, 594.4979

32.2718, 44.6147,
79.0619

83.1113, 106.9772,
168.8293

21.7257, 31.1540,
58.4251

107.6762,
136.3730, 209.4325

13.7710, 20.7162,
41.7335

136.6591,
170.7134, 256.0737

8.0422, 12.9167,
28.5687

170.4255,
210.3831, 309.1714

4.1740, 7.3712,
18.5120

209.3406,
255.7662, 369.1441

1.8010, 3.6953,
11.1450

253.7700,

0.5183, 1.5046,

307.2473, 436.4104

6.0490

304.0788,
365.2107, 511.3888

■ 0.0000, 0.2920,
2.8056

■ 0.0000, 0.0000,
0.9963

■ 45.7745, 61.4825,
104.0625

■ 45.7745, 61.4825,
104.0625

■ 44.1918, 59.2675,
103.7184

■ 48.0225, 64.0721,
104.4438

■ 43.5767, 58.2733,
103.5589

■ 51.0439, 67.0886,
104.8668

■ 54.9322, 70.5815,
105.3361

■ 59.7664, 74.5918,
105.8554

■ 65.6162, 79.1556,
106.4279

■ 72.5449, 84.3055,
107.0568

■ 80.6104, 90.0718,
107.7447

■ 89.8666, 96.4822,
108.4942

■ 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.



42.6875, 61.4825, 75.1845



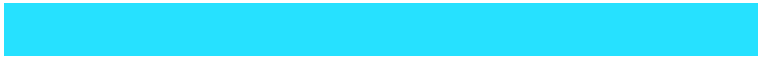
45.7745, 61.4825, 104.0625



52.3460, 61.4825, 126.0726

Triad

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



45.7745, 61.4825, 104.0625



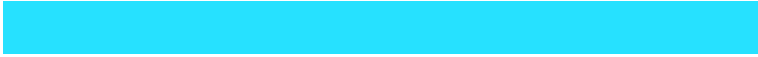
76.5069, 61.4825, 86.7108



55.7140, 61.4825, 28.4146

Complementary

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



45.7745, 61.4825, 104.0625



43.6586, 25.5369, 4.4638

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.



64.9836, 61.4825, 29.9809



45.7745, 61.4825, 104.0625



77.6507, 61.4825, 59.3288

Square

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



45.7745, 61.4825, 104.0625



70.2642, 61.4825, 114.3707



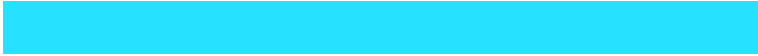
73.2433, 61.4825, 39.9042



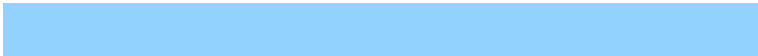
48.0181, 61.4825, 34.8624

Rectangle

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



45.7745, 61.4825, 104.0625



58.1368, 61.4825, 131.2374



73.2433, 61.4825, 39.9042



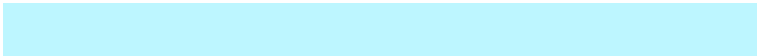
58.7388, 61.4825, 28.0671

Sweetspot

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



45.7763, 61.4846, 104.0628



71.8672, 83.8111, 106.9971



37.5720, 72.3372, 17.2852



14.8495, 17.5467, 22.8541



0.0000, 0.0000, 0.0000



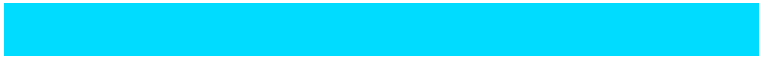
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7763, 61.4846, 104.0628



43.5767, 58.2733, 103.5589



25.2795, 20.4911, 97.2305



18.3281, 20.0279, 23.1497



22.8523, 30.6143, 54.1393



2.2815, 3.0937, 5.2902

Inverse Universe

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



55.5249, 28.0842, 73.7307



54.1247, 26.4139, 69.7798



57.0064, 52.2324, 8.9131



18.6783, 18.2546, 22.1890



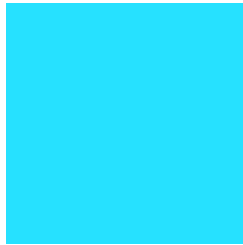
28.3230, 13.8185, 36.6810



2.7862, 1.3569, 3.7215

Previews

White Background



This preview shows how the XYZ color 45.7745, 61.4825, 104.0625 looks on a white background.

Color Contrast Check

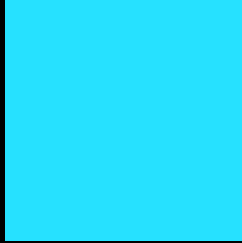
Large Text (above 18pt) WCAG AA × Fail

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 45.7745, 61.4825, 104.0625 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 45.7745, 61.4825, 104.0625

Background



This preview shows how black text looks on a background with the XYZ color 45.7745, 61.4825, 104.0625.

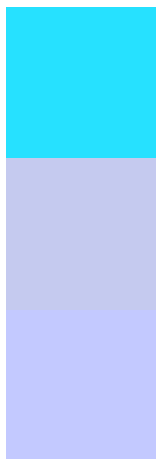


This preview shows how white text looks on a background with the XYZ color 45.7745, 61.4825,

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

45.7745, 61.4825, 104.0625

Protanopia

59.7265, 60.3434, 90.1609

Deuteranopia

61.4423, 60.5954, 103.0655



Tritanopia

44.2000, 61.6593, 95.9581

Trichromacy



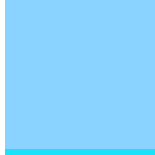
Original Color

45.7745, 61.4825, 104.0625



Protanomaly

50.1755, 58.1747, 94.9705



Deuteranomaly

51.5778, 58.7165, 103.2227



Tritanomaly

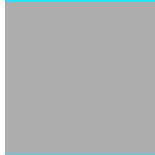
44.6961, 61.4389, 99.1257

Monochromacy



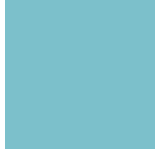
Original Color

45.7745, 61.4825, 104.0625



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.9413, 46.2962, 63.4362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7745, 61.4825, 104.0625 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(38, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 225, 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(38, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7745, 61.4825, 104.0625 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(38, 225, 255) }
```


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

```
.border{ border-color:rgb(38, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7745, 61.4825, 104.0625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 225, 255) }
```

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

```
.background{ background-color: rgb(38, 225,  
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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