

Converting Colors

XYZ(47.3640, 62.3824,
113.8386)

Have a look what the booklet for
XYZ(47.3640, 62.3824, 113.8386)
contains.

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Color

**XYZ(45.5997, 61.7949,
104.1320)**

Conversions

Conversions Part 1

Format	Color
Hex	17E2FF
RGB	23, 226, 255
RGB Percent	9%, 89%, 100%
CMY	0.9096, 0.1137, 0.0000
CMYK	0.91, 0.11, 0.00, 0.00
HSL	188°, 100%, 55%
HSV	188°, 91%, 100%
XYZ	45.5997, 61.7949, 104.1320
YIQ	168.6090, -130.2970, -34.0170

Conversions

Conversions Part 2

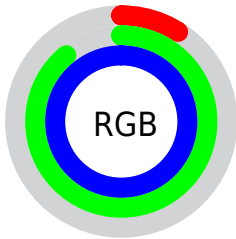
Format	Color
R _Y B	23, 131, 255
Decimal	1565439
CIE Lab	82.80, -34.46, -26.70
CIE LCh	83, 43.590, 217.765
Yxy	61.7949, 0.2156, 0.2921
Android (android.graphics.Color)	4279755519 (0xFF17E2FF)
YUV	168.6090, 42.5908, -127.6991
Hunter-Lab	78.6097, -34.0233, -23.5129

Details

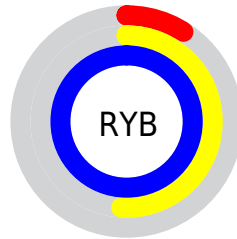
The XYZ color **45.5997, 61.7949, 104.1320** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.6247, 23.7813, 3.1564**, and the grayscale version is **37.3683, 39.3143, 42.8133**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **44.4705, 60.0610, 103.8568**, and if you desaturate by 10%, it is **47.3667, 64.0059, 104.4656**.

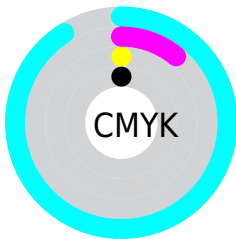
Distribution



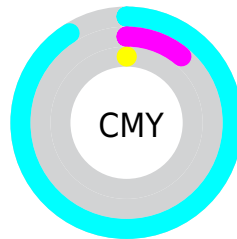
- Red (9%)
- Green (89%)
- Blue (100%)



- Red (9%)
- Yellow (51%)
- Blue (100%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5997, 61.7949, 104.1320 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 45.5997, 61.7949, 104.1320 by changing the saturation by 10% instead.

45.5997, 61.7949,
104.1320

45.5997, 61.7949,
104.1320

359.9399,
431.1826, 594.7200

32.1333, 44.8670,
79.1198

82.8511, 107.4290,
168.9252

21.6194, 31.3527,
58.4724

107.3669,
136.9041, 209.5433

13.6925, 20.8675,
41.7713

136.2965,
171.3303, 256.2004

7.9874, 13.0272,
28.5980

170.0054,
211.0920, 309.3150

4.1386, 7.4473,
18.5340

208.8588,
256.5738, 369.3058

1.7809, 3.7434,
11.1607

253.2221,

0.5061, 1.5311,

308.1598, 436.5911

6.0595

303.4607,
366.2346, 511.5897

■ 0.0000, 0.3104,
2.8119

■ 0.0000, 0.0000,
0.9994

■ 45.5997, 61.7949,
104.1320

■ 45.5997, 61.7949,
104.1320

■ 44.4705, 60.0610,
103.8568

■ 47.3667, 64.0059,
104.4656

■ 49.8404, 66.6040,
104.8367

■ 53.1255, 69.6446,
105.2505

■ 57.3078, 73.1720,
105.7109

■ 62.4621, 77.2249,
106.2215

■ 68.6552, 81.8379,
106.7855

■ 75.9479, 87.0425,
107.4057

■ 84.3964, 92.8676,
108.0848

■ 94.0528, 99.3404,
108.8252

Harmonies

Analogous

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



42.6158, 61.7949, 74.5068



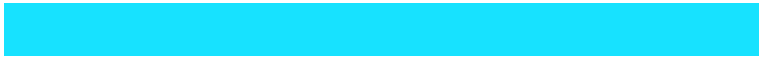
45.5997, 61.7949, 104.1320



52.1707, 61.7949, 127.3115

Triad

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



45.5997, 61.7949, 104.1320



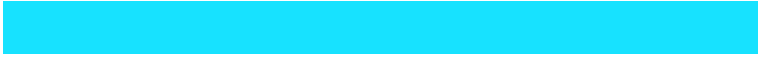
77.0594, 61.7949, 88.7822



56.3310, 61.7949, 27.9861

Complementary

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



45.5997, 61.7949, 104.1320



42.6247, 23.7813, 3.1564

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.



65.8263, 61.7949, 29.9045



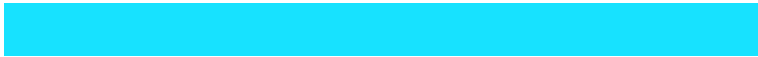
45.5997, 61.7949, 104.1320



78.4770, 61.7949, 60.5440

Square

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



45.5997, 61.7949, 104.1320



70.4860, 61.7949, 116.9312



74.1758, 61.7949, 40.3503



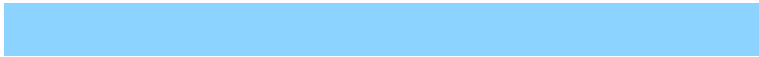
48.3671, 61.7949, 34.1557

Rectangle

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



45.5997, 61.7949, 104.1320



58.0337, 61.7949, 133.2159



74.1758, 61.7949, 40.3503



59.4403, 61.7949, 27.7448

Sweetspot

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



45.6015, 61.7970, 104.1323



71.4117, 83.8289, 107.0245



36.6922, 71.9338, 14.9799



14.7747, 17.5746, 22.8635



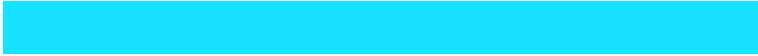
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.6015, 61.7970, 104.1323



44.4705, 60.0610, 103.8568



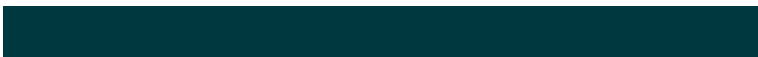
24.1938, 18.9817, 96.9964



18.3497, 20.0710, 23.1569



23.3130, 31.5356, 54.2928



2.3219, 3.1745, 5.3036

Inverse Universe

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



55.2751, 27.3656, 74.3225



54.5759, 26.5943, 72.1557



55.0462, 48.6243, 7.2969



18.6892, 18.2590, 22.2462



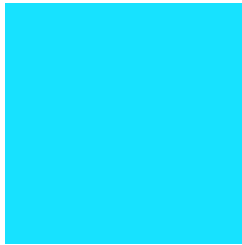
28.5555, 13.9115, 37.9054



2.8066, 1.3650, 3.8289

Previews

White Background



This preview shows how the XYZ color 45.5997, 61.7949, 104.1320 looks on a white background.

Color Contrast Check

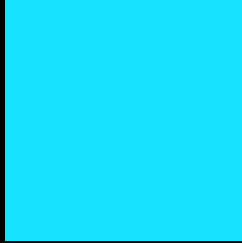
Large Text (above 18pt) WCAG AA × Fail

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 45.5997, 61.7949, 104.1320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

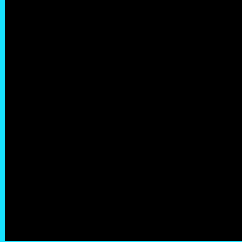
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5997, 61.7949, 104.1320

Background



This preview shows how black text looks on a background with the XYZ color 45.5997, 61.7949, 104.1320.

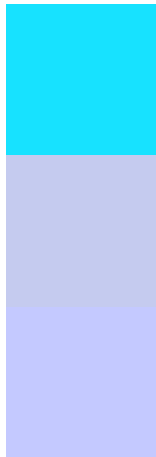


This preview shows how white text looks on a background with the XYZ color 45.5997, 61.7949,

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

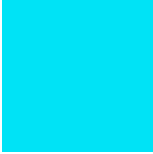
45.5997, 61.7949, 104.1320

Protanopia

59.9619, 60.8142, 90.2393

Deuteranopia

61.7016, 60.7291, 103.0776



Tritanopia

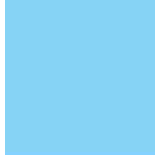
44.1036, 61.5920, 96.7527

Trichromacy



Original Color

45.5997, 61.7949, 104.1320



Protanomaly

49.6072, 58.2494, 95.0149



Deuteranomaly

50.7695, 58.2997, 103.1849



Tritanomaly

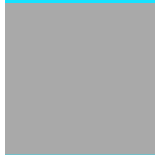
44.6681, 61.8293, 99.2025

Monochromacy



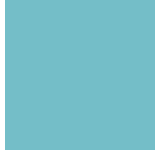
Original Color

45.5997, 61.7949, 104.1320



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.0412, 44.7100, 61.3739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5997, 61.7949, 104.1320 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(23, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5997, 61.7949, 104.1320 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(23, 226, 255) }
```


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

```
.border{ border-color:rgb(23, 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(23, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5997, 61.7949, 104.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 226, 255) }
```

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

```
.background{ background-color: rgb(23, 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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