

Converting Colors

XYZ(45.6213, 62.0627,
104.1826)

Have a look what the booklet for
XYZ(45.6213, 62.0627, 104.1826)
contains.

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Color

**XYZ(45.7161, 62.2597,
104.2156)**

Conversions

Conversions Part 1

Format	Color
Hex	0FE3FF
RGB	15, 227, 255
RGB Percent	6%, 89%, 100%
CMY	0.9409, 0.1098, 0.0000
CMYK	0.94, 0.11, 0.00, 0.00
HSL	187°, 100%, 53%
HSV	187°, 94%, 100%
XYZ	45.7161, 62.2597, 104.2156
YIQ	166.8040, -135.3400, -36.2360

Conversions

Conversions Part 2

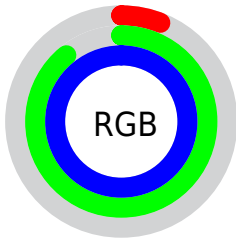
Format	Color
R _Y B	15, 128, 255
Decimal	1041407
CIE Lab	83.05, -35.19, -26.32
CIE LCh	83, 43.946, 216.796
Yxy	62.2597, 0.2154, 0.2934
Android (android.graphics.Color)	4279231487 (0xFF0FE3FF)
YUV	166.8040, 43.4806, -133.1321
Hunter-Lab	78.9048, -34.6636, -23.0754

Details

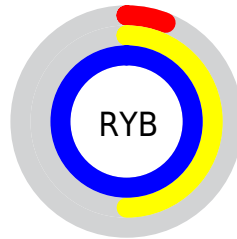
The XYZ color **45.7161, 62.2597, 104.2156** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.1926, 23.0266, 2.6750**, and the grayscale version is **36.4870, 38.3872, 41.8037**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **45.0417, 61.2033, 104.0472**, and if you desaturate by 10%, it is **47.2378, 64.2640, 104.5222**.

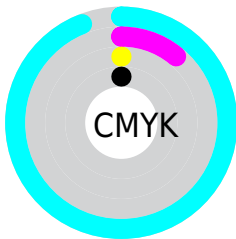
Distribution



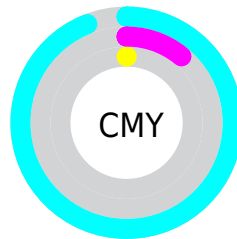
- Red (6%)
- Green (89%)
- Blue (100%)



- Red (6%)
- Yellow (50%)
- Blue (100%)



- Cyan (94%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7161, 62.2597, 104.2156 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 45.7161, 62.2597, 104.2156 by changing the saturation by 10% instead.

45.7161, 62.2597,
104.2156

45.7161, 62.2597,
104.2156

360.4012,
432.8778, 594.9871

32.2255, 45.2426,
79.1894

83.0244, 108.1008,
169.0406

21.6902, 31.6485,
58.5293

107.5729,
137.6935, 209.6765

13.7448, 21.0932,
41.8168

136.5380,
172.2469, 256.3527

8.0239, 13.1921,
28.6334

170.2852,
212.1454, 309.4877

4.1622, 7.5610,
18.5605

209.1797,
257.7733, 369.5002

1.7943, 3.8153,
11.1795

253.5870,

0.5142, 1.5708,

309.5151, 436.8085

6.0720

303.8724,
367.7551, 511.8313

■ 0.0000, 0.3378,
2.8194

■ 0.0000, 0.0000,
1.0032

■ 45.7161, 62.2597,
104.2156

■ 45.7161, 62.2597,
104.2156

■ 45.0417, 61.2033,
104.0472

■ 47.2378, 64.2640,
104.5222

■ 49.4267, 66.6320,
104.8640

■ 52.3949, 69.4229,
105.2462

■ 56.2328, 72.6833,
105.6732

■ 61.0182, 76.4534,
106.1487

■ 66.8200, 80.7689,
106.6759

■ 73.7009, 85.6622,
107.2577

■ 81.7183, 91.1629,
107.8969

■ 90.9256, 97.2988,
108.5960

Harmonies

Analogous

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



42.8224, 62.2597, 74.1732



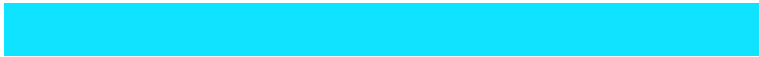
45.7161, 62.2597, 104.2156



52.2641, 62.2597, 128.1634

Triad

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



45.7161, 62.2597, 104.2156



77.6101, 62.2597, 90.5716



57.0400, 62.2597, 27.9719

Complementary

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



45.7161, 62.2597, 104.2156



42.1926, 23.0266, 2.6750

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.



66.6718, 62.2597, 30.1697



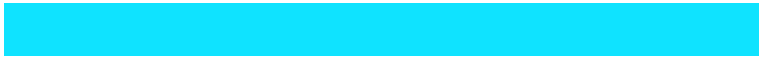
45.7161, 62.2597, 104.2156



79.2387, 62.2597, 61.7843

Square

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



45.7161, 62.2597, 104.2156



70.8097, 62.2597, 118.9264



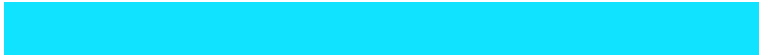
75.0481, 62.2597, 41.0276



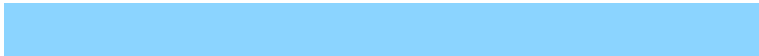
48.8919, 62.2597, 33.9253

Rectangle

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



45.7161, 62.2597, 104.2156



58.1604, 62.2597, 134.6165



75.0481, 62.2597, 41.0276



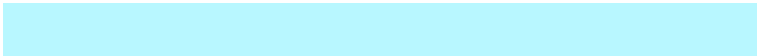
60.2033, 62.2597, 27.8138

Sweetspot

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



45.7179, 62.2618, 104.2159



70.8810, 83.6801, 107.0238



36.3950, 71.7969, 14.2306



14.5469, 17.4649, 22.8543



0.0000, 0.0000, 0.0000



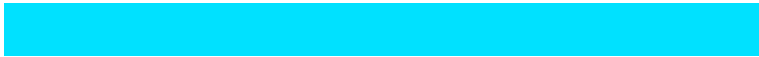
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7179, 62.2618, 104.2159



45.0417, 61.2033, 104.0472



23.5096, 17.8452, 96.8131



18.3633, 20.0981, 23.1614



23.6072, 32.1241, 54.3909



2.3476, 3.2260, 5.3122

Inverse Universe

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



55.2772, 27.1496, 75.0021



54.8642, 26.7097, 73.6738



54.4280, 47.4973, 6.7534



18.6960, 18.2617, 22.2823



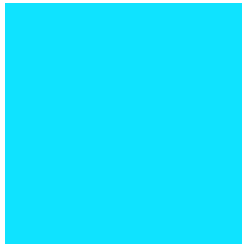
28.7040, 13.9709, 38.6875



2.8196, 1.3702, 3.8973

Previews

White Background



This preview shows how the XYZ color 45.7161, 62.2597, 104.2156 looks on a white background.

Color Contrast Check

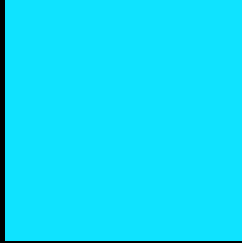
Large Text (above 18pt) WCAG AA × Fail

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 45.7161, 62.2597, 104.2156 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 45.7161, 62.2597, 104.2156

Background



This preview shows how black text looks on a background with the XYZ color 45.7161, 62.2597, 104.2156.

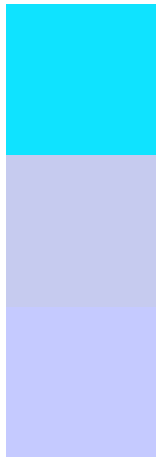


This preview shows how white text looks on a background with the XYZ color 45.7161, 62.2597,

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

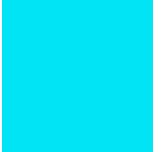
45.7161, 62.2597, 104.2156

Protanopia

60.2246, 60.9496, 90.2516

Deuteranopia

62.1965, 61.3314, 103.1678



Tritanopia

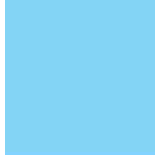
44.3780, 62.1406, 96.8442

Trichromacy



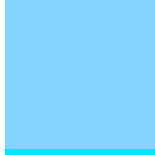
Original Color

45.7161, 62.2597, 104.2156



Protanomaly

49.3850, 58.5048, 95.0759



Deuteranomaly

50.7043, 58.6338, 103.2528



Tritanomaly

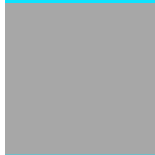
44.9049, 62.3586, 99.2922

Monochromacy



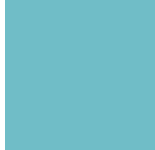
Original Color

45.7161, 62.2597, 104.2156



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.1885, 43.9635, 60.6640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7161, 62.2597, 104.2156 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(15, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 227, 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(15, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7161, 62.2597, 104.2156 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(15, 227, 255) }
```


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

```
.border{ border-color:rgb(15, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7161, 62.2597, 104.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 227, 255) }
```

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

```
.background{ background-color: rgb(15, 227,  
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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