

Converting Colors

XYZ(81.6964, 76.3562,
311.6323)

Have a look what the booklet for
XYZ(81.6964, 76.3562, 311.6323)
contains.

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Color

**XYZ(45.5191, 62.1582,
104.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3FF
RGB	0, 227, 255
RGB Percent	0%, 89%, 100%
CMY	0.9997, 0.1098, 0.0000
CMYK	1.00, 0.11, 0.00, 0.00
HSL	187°, 100%, 50%
HSV	187°, 100%, 100%
XYZ	45.5191, 62.1582, 104.2064
YIQ	162.3190, -144.2800, -39.4160

Conversions

Conversions Part 2

Format	Color
RYB	0, 120, 255
Decimal	58367
CIELab	83.00, -35.52, -26.41
CIELCh	83, 44.264, 216.629
Yxy	62.1582, 0.2148, 0.2934
Android (android.graphics.Color)	4278248447 (0xFF00E3FF)
YUV	162.3190, 45.6917, -142.3538
Hunter-Lab	78.8405, -34.9126, -23.1775

Details

The XYZ color **45.5191, 62.1582, 104.2064** 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 **41.6574, 22.0941, 2.0712**, and the grayscale version is **34.3443, 36.1329, 39.3487**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **45.5176, 62.1553, 104.2059**, and if you desaturate by 10%, it is **46.7074, 63.9184, 104.4835**.

Distribution



- Red (0%)
- Green (89%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5191, 62.1582, 104.2064 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 45.5191, 62.1582, 104.2064 by changing the saturation by 10% instead.

45.5191, 62.1582,
104.2064

45.5191, 62.1582,
104.2064

359.6203,
432.5079, 594.9577

32.0695, 45.1605,
79.1817

82.7311, 107.9541,
169.0279

21.5704, 31.5839,
58.5230

107.2242,
137.5212, 209.6619

13.6564, 21.0439,
41.8118

136.1293,
172.0469, 256.3359

7.9622, 13.1561,
28.6295

169.8116,
211.9155, 309.4687

4.1224, 7.5361,
18.5575

208.6364,
257.5116, 369.4788

1.7716, 3.7996,
11.1774

252.9693,

0.5005, 1.5621,

309.2194, 436.7846

6.0706

303.1755,
367.4234, 511.8047

■ 0.0000, 0.3318,
2.8186

■ 0.0000, 0.0000,
1.0028

■ 45.5191, 62.1582,
104.2064

■ 45.5191, 62.1582,
104.2064

■ 45.5176, 62.1553,
104.2059

■ 46.7074, 63.9184,
104.4835

■ 48.4460, 65.9797,
104.7897

■ 50.9008, 68.4288,
105.1331

■ 54.1724, 71.3178,
105.5183

■ 58.3454, 74.6903,
105.9493

■ 63.4936, 78.5845,
106.4296

■ 69.6831, 83.0345,
106.9623

■ 76.9743, 88.0715,
107.5503

■ 85.4228, 93.7243,
108.1961

Harmonies

Analogous

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



42.6341, 62.1582, 73.9419



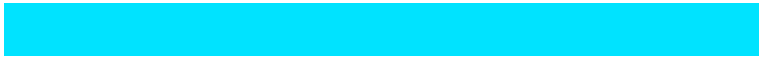
45.5191, 62.1582, 104.2064



52.0823, 62.1582, 128.4335

Triad

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



45.5191, 62.1582, 104.2064



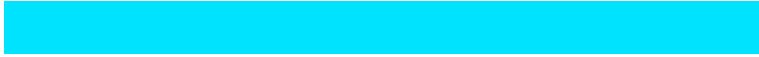
77.6146, 62.1582, 90.7893



56.9824, 62.1582, 27.6934

Complementary

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



45.5191, 62.1582, 104.2064



41.6574, 22.0941, 2.0712

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.



66.6769, 62.1582, 29.9385



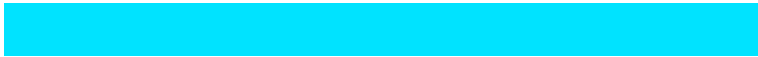
45.5191, 62.1582, 104.2064



79.2884, 62.1582, 61.7815

Square

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



45.5191, 62.1582, 104.2064



70.7417, 62.1582, 119.3401



75.0965, 62.1582, 40.8745



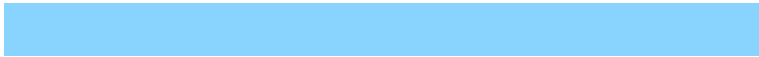
48.7751, 62.1582, 33.6078

Rectangle

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



45.5191, 62.1582, 104.2064



58.0050, 62.1582, 135.0251



75.0965, 62.1582, 40.8745



60.1672, 62.1582, 27.5498

Sweetspot

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



45.5209, 62.1603, 104.2067



69.6631, 83.0204, 106.9606



35.9426, 71.5932, 12.8767



14.3245, 17.3534, 22.8445



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.



45.5209, 62.1603, 104.2067



45.5176, 62.1553, 104.2059



22.8068, 16.7322, 96.6353



18.3745, 20.1205, 23.1652



23.8524, 32.6144, 54.4726



2.3690, 3.2688, 5.3193

Inverse Universe

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



55.1064, 26.8079, 74.9453



55.1044, 26.8058, 74.9389



52.6366, 44.0526, 5.7309



18.7017, 18.2640, 22.3120



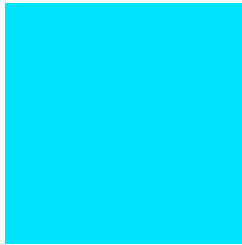
28.8278, 14.0204, 39.3392



2.8304, 1.3745, 3.9542

Previews

White Background



This preview shows how the XYZ color 45.5191, 62.1582, 104.2064 looks on a white background.

Color Contrast Check

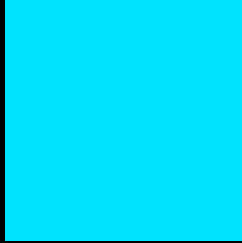
Large Text (above 18pt) WCAG AA × Fail

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 45.5191, 62.1582, 104.2064 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 45.5191, 62.1582, 104.2064

Background



This preview shows how black text looks on a background with the XYZ color 45.5191, 62.1582, 104.2064.

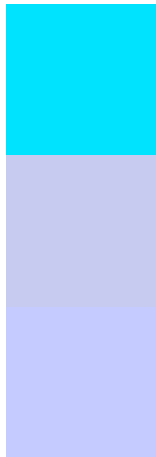


This preview shows how white text looks on a background with the XYZ color 45.5191, 62.1582,

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

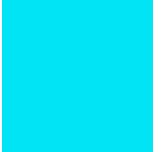
45.5191, 62.1582, 104.2064

Protanopia

60.2246, 60.9496, 90.2516

Deuteranopia

62.1965, 61.3314, 103.1678



Tritanopia

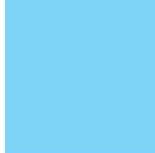
44.3780, 62.1406, 96.8442

Trichromacy



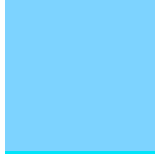
Original Color

45.5191, 62.1582, 104.2064



Protanomaly

48.6291, 58.1152, 95.0405



Deuteranomaly

49.8017, 58.1685, 103.2106



Tritanomaly

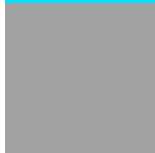
44.8423, 62.3264, 99.2893

Monochromacy



Original Color

45.5191, 62.1582, 104.2064



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

33.1162, 41.9869, 58.5834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5191, 62.1582, 104.2064 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(0, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5191, 62.1582, 104.2064 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(0, 227, 255) }
```


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

```
.border{ border-color:rgb(0, 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(0, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5191, 62.1582, 104.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 255) }
```

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

```
.background{ background-color: rgb(0, 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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