

Converting Colors

XYZ(46.2217, 62.8968,
104.3119)

Have a look what the booklet for
XYZ(46.2217, 62.8968, 104.3119)
contains.

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Color

**XYZ(46.2454, 62.9398,
104.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	1BE4FF
RGB	27, 228, 255
RGB Percent	11%, 89%, 100%
CMY	0.8940, 0.1059, 0.0000
CMYK	0.89, 0.11, 0.00, 0.00
HSL	187°, 100%, 55%
HSV	187°, 89%, 100%
XYZ	46.2454, 62.9398, 104.3190
YIQ	170.9790, -128.4630, -34.2150

Conversions

Conversions Part 2

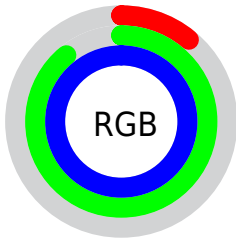
Format	Color
R _Y B	27, 134, 255
Decimal	1828095
CIE Lab	83.41, -35.23, -25.77
CIE LCh	83, 43.651, 216.179
Yxy	62.9398, 0.2166, 0.2948
Android (android.graphics.Color)	4280018175 (0xFF1BE4FF)
YUV	170.9790, 41.4224, -126.2696
Hunter-Lab	79.3346, -34.7851, -22.4276

Details

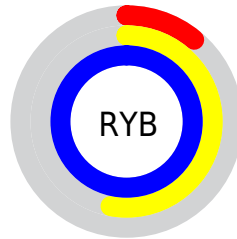
The XYZ color **46.2454, 62.9398, 104.3190** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.7590, 23.9807, 3.4142**, and the grayscale version is **38.5490, 40.5566, 44.1661**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **24.9456, 33.5823, 58.5933** is the 20% darker color. If you saturate the color by 10%, you get **44.9899, 61.0712, 104.0245**, and if you desaturate by 10%, it is **48.0763, 65.1290, 104.6450**.

Distribution



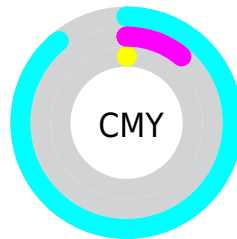
- Red (11%)
- Green (89%)
- Blue (100%)



- Red (11%)
- Yellow (53%)
- Blue (100%)



- Cyan (89%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (89%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2454, 62.9398, 104.3190 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 46.2454, 62.9398, 104.3190 by changing the saturation by 10% instead.


 46.2454, 62.9398,
104.3190


 46.2454, 62.9398,
104.3190


362.4938,
435.3510, 595.3173

 32.6450, 45.7925,
79.2755


 83.8118, 109.0827,
169.1834


 22.0125, 32.0821,
58.5997

 108.5084,
138.8470, 209.8413

 13.9828, 21.4242,
41.8731


 137.6344,
173.5858, 256.5411

 8.1903, 13.4345,
28.6771

 171.5553,
213.6835, 309.7014

 4.2698, 7.7284,
18.5932

210.6363,
259.5245, 369.7406

 1.8559, 3.9216,
11.2029

255.2428,

 0.5510, 1.6298,

311.4932, 437.0773

6.0876

305.7402,
369.9738, 512.1300

■ 0.0000, 0.3776,
2.8288

■ 0.0000, 0.0000,
1.0079

■ 46.2454, 62.9398,
104.3190

■ 46.2454, 62.9398,
104.3190

■ 44.9899, 61.0712,
104.0245

■ 48.0763, 65.1290,
104.6450

■ 44.9215, 60.9630,
104.0072

■ 50.6298, 67.7112,
105.0088

■ 54.0076, 70.7400,
105.4154

■ 58.2931, 74.2587,
105.8687

■ 63.5600, 78.3053,
106.3722

■ 69.8738, 82.9136,
106.9289

■ 77.2946, 88.1148,
107.5417

■ 85.8780, 93.9376,
108.2133

■ 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.



43.4248, 62.9398, 74.3226



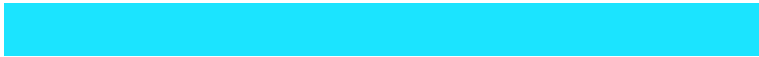
46.2454, 62.9398, 104.3190



52.7381, 62.9398, 128.4565

Triad

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



46.2454, 62.9398, 104.3190



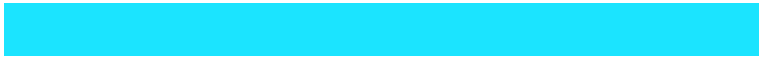
78.1545, 62.9398, 91.9274



57.8760, 62.9398, 28.5431

Complementary

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



46.2454, 62.9398, 104.3190



42.7590, 23.9807, 3.4142

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.



67.5143, 62.9398, 30.9244



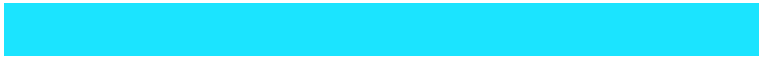
46.2454, 62.9398, 104.3190



79.9017, 62.9398, 63.0479

Square

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



46.2454, 62.9398, 104.3190



71.2768, 62.9398, 120.0776



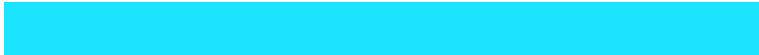
75.8263, 62.9398, 42.0360



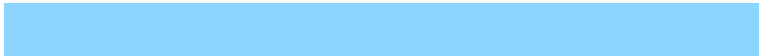
49.6660, 62.9398, 34.3600

Rectangle

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



46.2454, 62.9398, 104.3190



58.6124, 62.9398, 135.1742



75.8263, 62.9398, 42.0360



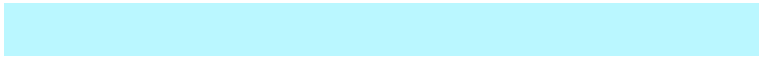
61.0490, 62.9398, 28.4385

Sweetspot

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



46.2472, 62.9420, 104.3193



71.5500, 84.1055, 107.0706



36.8702, 72.0164, 15.4022



14.8078, 17.6409, 22.8745



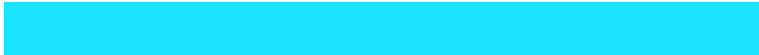
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.2472, 62.9420, 104.3193



44.9215, 60.9630, 104.0072



24.5680, 19.5836, 97.0929



18.3604, 20.0925, 23.1605



23.5453, 32.0003, 54.3703



2.3422, 3.2151, 5.3104

Inverse Universe

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



55.6368, 27.6471, 75.8050



54.8035, 26.6854, 73.3544



55.3697, 49.2022, 7.6178



18.6946, 18.2611, 22.2747



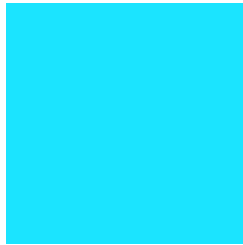
28.6728, 13.9584, 38.5230



2.8168, 1.3691, 3.8829

Previews

White Background



This preview shows how the XYZ color 46.2454, 62.9398, 104.3190 looks on a white background.

Color Contrast Check

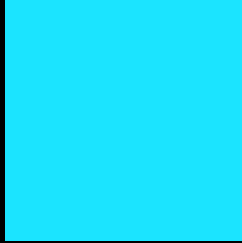
Large Text (above 18pt) WCAG AA × Fail

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 46.2454, 62.9398, 104.3190 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

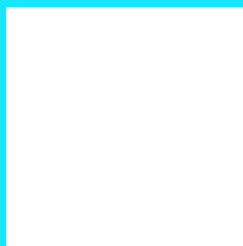
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2454, 62.9398, 104.3190

Background



This preview shows how black text looks on a background with the XYZ color 46.2454, 62.9398, 104.3190.

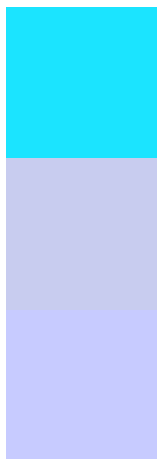


This preview shows how white text looks on a background with the XYZ color 46.2454, 62.9398,

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

46.2454, 62.9398, 104.3190

Protanopia

60.9923, 61.6971, 90.3554

Deuteranopia

62.9591, 62.0740, 103.2709



Tritanopia

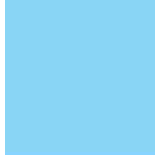
44.9626, 62.8159, 98.5618

Trichromacy



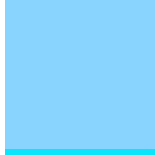
Original Color

46.2454, 62.9398, 104.3190



Protanomaly

50.5922, 59.4994, 95.2042



Deuteranomaly

51.7468, 59.5412, 103.3730



Tritanomaly

45.5571, 63.0682, 101.0391

Monochromacy



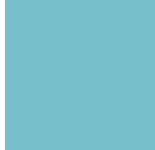
Original Color

46.2454, 62.9398, 104.3190



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.1181, 45.8855, 62.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2454, 62.9398, 104.3190 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(27, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 228, 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(27, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2454, 62.9398, 104.3190 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(27, 228, 255) }
```


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

```
.border{ border-color:rgb(27, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2454, 62.9398, 104.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 228, 255) }
```

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

```
.background{ background-color: rgb(27, 228,  
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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