

Converting Colors

XYZ(46.4271, 63.4090,
104.3999)

Have a look what the booklet for
XYZ(46.4271, 63.4090, 104.3999)
contains.

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Color

**XYZ(46.4460, 63.4528,
104.4074)**

Conversions

Conversions Part 1

Format	Color
Hex	18E5FF
RGB	24, 229, 255
RGB Percent	9%, 90%, 100%
CMY	0.9057, 0.1019, 0.0000
CMYK	0.91, 0.10, 0.00, 0.00
HSL	187°, 100%, 55%
HSV	187°, 91%, 100%
XYZ	46.4460, 63.4528, 104.4074
YIQ	170.6690, -130.5260, -35.3740

Conversions

Conversions Part 2

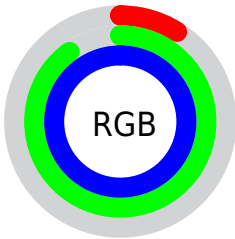
Format	Color
R _Y B	24, 133, 255
Decimal	1631743
CIE Lab	83.68, -35.83, -25.36
CIE LCh	84, 43.894, 215.291
Yxy	63.4528, 0.2167, 0.2961
Android (android.graphics.Color)	4279821823 (0xFF18E5FF)
YUV	170.6690, 41.5752, -128.6287
Hunter-Lab	79.6573, -35.3217, -21.9518

Details

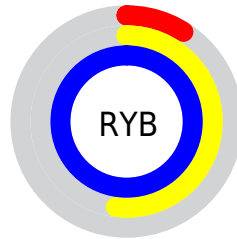
The XYZ color **46.4460, 63.4528, 104.4074** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.5475, 23.6105, 3.1811**, and the grayscale version is **38.3946, 40.3941, 43.9891**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **25.1366, 33.9644, 58.6570** is the 20% darker color. If you saturate the color by 10%, you get **45.3272, 61.7744, 104.1424**, and if you desaturate by 10%, it is **48.1638, 65.5284, 104.7175**.

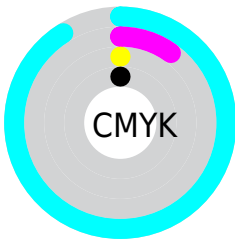
Distribution



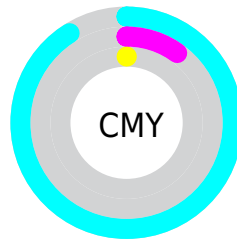
- Red (9%)
- Green (90%)
- Blue (100%)



- Red (9%)
- Yellow (52%)
- Blue (100%)



- Cyan (91%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4460, 63.4528, 104.4074 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 46.4460, 63.4528, 104.4074 by changing the saturation by 10% instead.


 46.4460, 63.4528,
104.4074

 46.4460, 63.4528,
104.4074


363.2848,
437.2109, 595.5996

 32.8040, 46.2076,
79.3491


 84.1099, 109.8225,
169.3054


 22.1349, 32.4097,
58.6599


 108.8625,
139.7158, 209.9822

 14.0732, 21.6746,
41.9212

 138.0493,
174.5939, 256.7022

 8.2536, 13.6180,
28.7145

 172.0358,
214.8413, 309.8839

 4.3108, 7.8555,
18.6212

211.1872,
260.8423, 369.9460

 1.8794, 4.0026,
11.2229

255.8689,

 0.5648, 1.6750,

312.9813, 437.3070

6.1009

306.4463,
371.6427, 512.3853

■ 0.0000, 0.4074,
2.8367

■ 0.0000, 0.0000,
1.0119

■ 46.4460, 63.4528,
104.4074

■ 46.4460, 63.4528,
104.4074

■ 45.3272, 61.7744,
104.1424

■ 48.1638, 65.5284,
104.7175

■ 50.5898, 67.9875,
105.0643

■ 53.8278, 70.8847,
105.4528

■ 57.9630, 74.2644,
105.8872

■ 63.0698, 78.1647,
106.3709

■ 69.2148, 82.6202,
106.9070

■ 76.4587, 87.6622,
107.4984

■ 84.8573, 93.3197,
108.1478

■ 94.4626, 99.6194,
108.8575

Harmonies

Analogous

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



43.7136, 63.4528, 74.0871



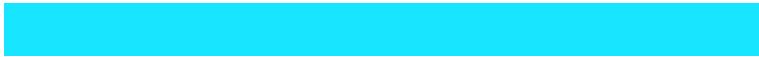
46.4460, 63.4528, 104.4074



52.9089, 63.4528, 129.2002

Triad

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



46.4460, 63.4528, 104.4074



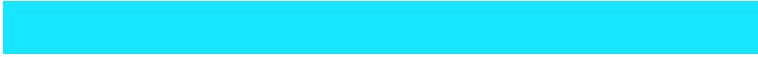
78.7083, 63.4528, 93.6634



58.6214, 63.4528, 28.6470

Complementary

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



46.4460, 63.4528, 104.4074



42.5475, 23.6105, 3.1811

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.



68.3710, 63.4528, 31.2941



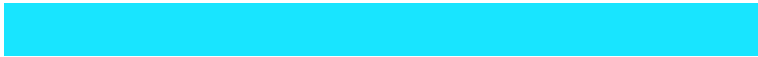
46.4460, 63.4528, 104.4074



80.6510, 63.4528, 64.3215

Square

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



46.4460, 63.4528, 104.4074



71.6315, 63.4528, 121.9309



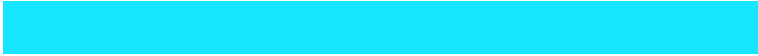
76.6901, 63.4528, 42.7967



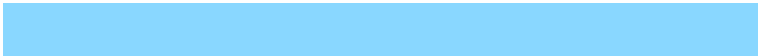
50.2490, 63.4528, 34.2626

Rectangle

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



46.4460, 63.4528, 104.4074



58.8054, 63.4528, 136.4158



76.6901, 63.4528, 42.7967



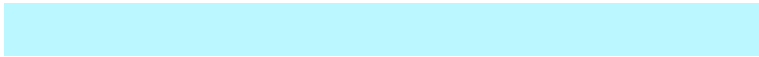
61.8401, 63.4528, 28.6209

Sweetspot

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



46.4478, 63.4550, 104.4077



71.6735, 84.3526, 107.1118



36.6535, 71.9210, 14.6541



14.8375, 17.7002, 22.8844



0.0000, 0.0000, 0.0000



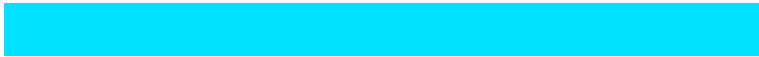
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4478, 63.4550, 104.4077



45.3272, 61.7744, 104.1424



24.7221, 20.0035, 97.1658



18.3700, 20.1116, 23.1637



23.7543, 32.4182, 54.4399



2.3605, 3.2517, 5.3165

Inverse Universe

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



55.7107, 27.5722, 76.5167



55.0083, 26.7673, 74.4328



54.4344, 47.3844, 7.1435



18.6994, 18.2631, 22.3002



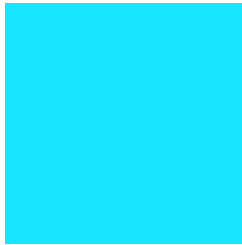
28.7783, 14.0006, 39.0785



2.8261, 1.3728, 3.9315

Previews

White Background



This preview shows how the XYZ color 46.4460, 63.4528, 104.4074 looks on a white background.

Color Contrast Check

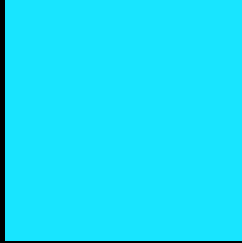
Large Text (above 18pt) WCAG AA × Fail

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 46.4460, 63.4528, 104.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

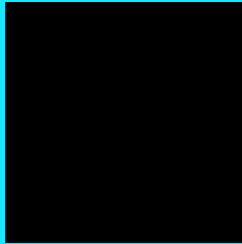
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4460, 63.4528, 104.4074

Background



This preview shows how black text looks on a background with the XYZ color 46.4460, 63.4528, 104.4074.



This preview shows how white text looks on a background with the XYZ color 46.4460, 63.4528,

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

46.4460, 63.4528, 104.4074

Protanopia

61.4987, 62.3121, 90.4475

Deuteranopia

63.2254, 62.2112, 103.2834



Tritanopia

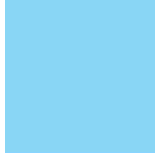
45.3957, 63.4332, 99.4738

Trichromacy



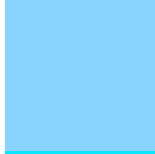
Original Color

46.4460, 63.4528, 104.4074



Protanomaly

50.8445, 60.0041, 95.2884



Deuteranomaly

51.7468, 59.5412, 103.3730



Tritanomaly

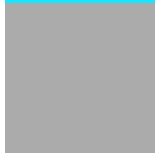
45.8221, 63.6167, 101.1310

Monochromacy



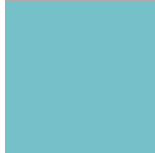
Original Color

46.4460, 63.4528, 104.4074



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.9815, 45.8151, 62.7712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4460, 63.4528, 104.4074 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(24, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(24, 229, 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(24, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4460, 63.4528, 104.4074 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(24, 229, 255) }
```


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

```
.border{ border-color:rgb(24, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(24, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(24, 229, 255); box-shadow:4px 4px 4px 4px rgb(24, 229, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4460, 63.4528, 104.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 229, 255) }
```

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

```
.background{ background-color: rgb(24, 229,  
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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