

Converting Colors

XYZ(46.3075, 61.5124,
104.0394)

Have a look what the booklet for
XYZ(46.3075, 61.5124, 104.0394)
contains.

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Color

**XYZ(46.2270, 61.3156,
104.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	36E0FF
RGB	54, 224, 255
RGB Percent	21%, 88%, 100%
CMY	0.7882, 0.1216, 0.0000
CMYK	0.79, 0.12, 0.00, 0.00
HSL	189°, 100%, 61%
HSV	189°, 79%, 100%
XYZ	46.2270, 61.3156, 104.0064
YIQ	176.7040, -111.2710, -26.3990

Conversions

Conversions Part 2

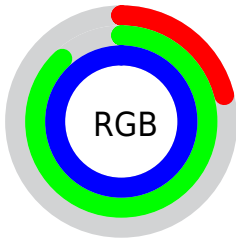
Format	Color
R _Y B	54, 146, 255
Decimal	3596543
CIE Lab	82.55, -31.57, -27.06
CIE LCh	83, 41.577, 220.601
Yxy	61.3156, 0.2185, 0.2898
Android (android.graphics.Color)	4281786623 (0xFF36E0FF)
YUV	176.7040, 38.5999, -107.6114
Hunter-Lab	78.3043, -31.6549, -23.9380

Details

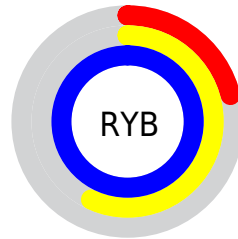
The XYZ color **46.2270, 61.3156, 104.0064** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.1560, 28.0259, 6.5218**, and the grayscale version is **41.4841, 43.6445, 47.5288**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **24.1957, 32.0825, 58.3434** is the 20% darker color. If you saturate the color by 10%, you get **44.1548, 58.6975, 103.6103**, and if you desaturate by 10%, it is **49.0435, 64.3561, 104.4448**.

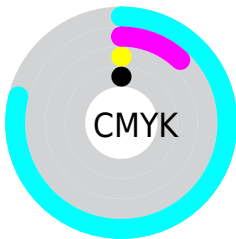
Distribution



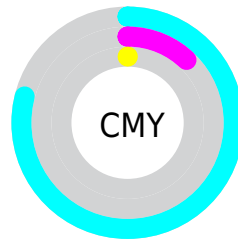
- Red (21%)
- Green (88%)
- Blue (100%)



- Red (21%)
- Yellow (57%)
- Blue (100%)



- Cyan (79%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2270, 61.3156, 104.0064 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 46.2270, 61.3156, 104.0064 by changing the saturation by 10% instead.

46.2270, 61.3156,
104.0064

46.2270, 61.3156,
104.0064

362.4212,
429.4302, 594.3186

32.6304, 44.4799,
79.0152

83.7844, 106.7358,
168.7518

22.0013, 31.0480,
58.3869

108.4759,
136.0890, 209.3431

13.9745, 20.6354,
41.7030

137.5964,
170.3836, 255.9714

8.1845, 12.8577,
28.5450

171.5112,
210.0039, 309.0554

4.2660, 7.3307,
18.4943

210.5858,
255.3344, 369.0136

1.8537, 3.6697,
11.1323

255.1854,

0.5497, 1.4906,

306.7593, 436.2645

6.0406

305.6754,
364.6631, 511.2267

■ 0.0000, 0.2821,
2.8006

■ 0.0000, 0.0000,
0.9937

■ 46.2270, 61.3156,
104.0064

■ 46.2270, 61.3156,
104.0064

■ 44.1548, 58.6975,
103.6103

■ 49.0435, 64.3561,
104.4448

■ 42.6789, 56.4217,
103.2488

■ 52.6975, 67.8637,
104.9293

■ 42.5219, 56.1638,
103.2073

■ 57.2739, 71.8835,
105.4640

■ 62.8457, 76.4535,
106.0524

■ 69.4783, 81.6077,
106.6977

■ 77.2317, 87.3770,
107.4026

■ 86.1609, 93.7902,
108.1699

■ 95.0500, 100.0000,
108.9000

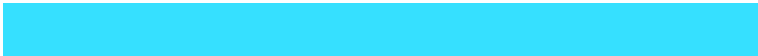
Harmonies

Analogous

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



43.0241, 61.3156, 76.1903



46.2270, 61.3156, 104.0064



52.7773, 61.3156, 124.4811

Triad

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



46.2270, 61.3156, 104.0064



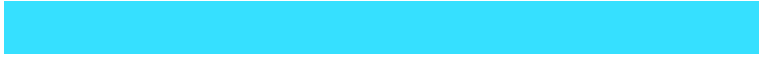
75.9563, 61.3156, 84.4001



55.1868, 61.3156, 29.2462

Complementary

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



46.2270, 61.3156, 104.0064



45.1560, 28.0259, 6.5218

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.



64.1496, 61.3156, 30.3831



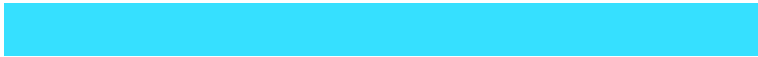
46.2270, 61.3156, 104.0064



76.7699, 61.3156, 58.1459

Square

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



46.2270, 61.3156, 104.0064



70.1400, 61.3156, 111.3162



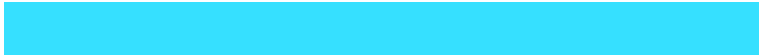
72.2615, 61.3156, 39.6766



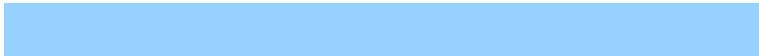
47.8361, 61.3156, 36.0359

Rectangle

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



46.2270, 61.3156, 104.0064



58.4582, 61.3156, 128.7399



72.2615, 61.3156, 39.6766



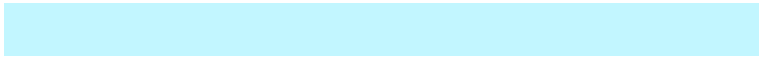
58.0994, 61.3156, 28.7680

Sweetspot

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



46.2288, 61.3177, 104.0067



73.0693, 84.3078, 107.0296



38.8890, 72.9475, 20.4521



15.0658, 17.6148, 22.8559



0.0000, 0.0000, 0.0000



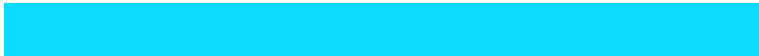
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2288, 61.3177, 104.0067



43.1901, 57.2592, 103.3835



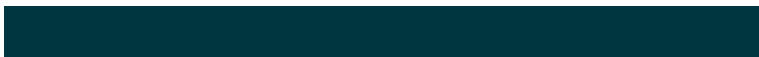
26.8253, 22.5109, 97.5389



18.3022, 19.9760, 23.1411



22.3086, 29.5267, 53.9580



2.2337, 2.9980, 5.2742

Inverse Universe

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



56.0150, 29.2820, 73.2229



53.9884, 26.5845, 68.3677



59.1834, 56.0808, 11.1976



18.6652, 18.2494, 22.1200



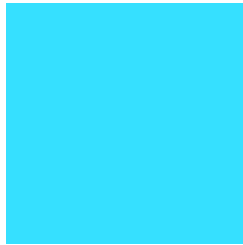
28.0485, 13.7087, 35.2356



2.7621, 1.3472, 3.5944

Previews

White Background



This preview shows how the XYZ color 46.2270, 61.3156, 104.0064 looks on a white background.

Color Contrast Check

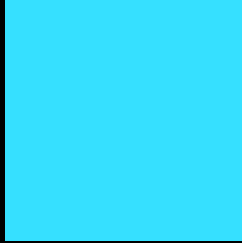
Large Text (above 18pt) WCAG AA × Fail

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 46.2270, 61.3156, 104.0064 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 46.2270, 61.3156, 104.0064

Background



This preview shows how black text looks on a background with the XYZ color 46.2270, 61.3156, 104.0064.

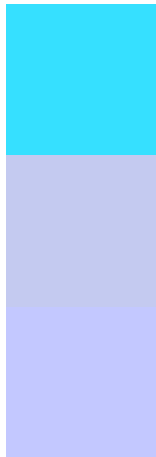


This preview shows how white text looks on a background with the XYZ color 46.2270, 61.3156,

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

46.2270, 61.3156, 104.0064

Protanopia

59.6137, 60.2681, 90.9290

Deuteranopia

61.2100, 60.1307, 102.9880



Tritanopia

44.5218, 61.4380, 95.1001

Trichromacy



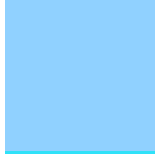
Original Color

46.2270, 61.3156, 104.0064



Protanomaly

51.0296, 58.6151, 95.0105



Deuteranomaly

52.3521, 58.7502, 103.1884



Tritanomaly

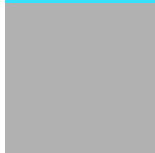
45.0408, 61.2321, 98.2520

Monochromacy



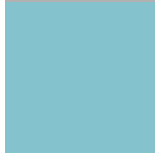
Original Color

46.2270, 61.3156, 104.0064



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.8270, 47.8969, 64.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2270, 61.3156, 104.0064 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(54, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 224, 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(54, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2270, 61.3156, 104.0064 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(54, 224, 255) }
```


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

```
.border{ border-color:rgb(54, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2270, 61.3156, 104.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 224, 255) }
```

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

```
.background{ background-color: rgb(54, 224,  
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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