

Converting Colors

XYZ(51.3679, 64.1509,
127.9696)

Have a look what the booklet for
XYZ(51.3679, 64.1509, 127.9696)
contains.

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Color

**XYZ(46.9337, 62.4826,
104.1944)**

Conversions

Conversions Part 1

Format	Color
Hex	39E2FF
RGB	57, 226, 255
RGB Percent	22%, 89%, 100%
CMY	0.7764, 0.1137, 0.0000
CMYK	0.78, 0.11, 0.00, 0.00
HSL	189°, 100%, 61%
HSV	189°, 78%, 100%
XYZ	46.9337, 62.4826, 104.1944
YIQ	178.7750, -110.0330, -26.8090

Conversions

Conversions Part 2

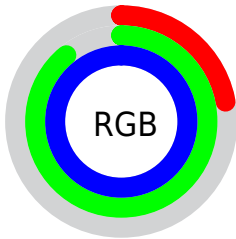
Format	Color
R _Y B	57, 148, 255
Decimal	3793663
CIE Lab	83.17, -32.25, -26.11
CIE LCh	83, 41.494, 218.987
Yxy	62.4826, 0.2197, 0.2925
Android (android.graphics.Color)	4281983743 (0xFF39E2FF)
YUV	178.7750, 37.5789, -106.7967
Hunter-Lab	79.0459, -32.3456, -22.8210

Details

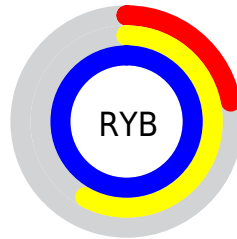
The XYZ color **46.9337, 62.4826, 104.1944** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.3078, 28.2132, 6.9307**, and the grayscale version is **42.5796, 44.7970, 48.7840**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **24.5678, 32.8267, 58.4674** is the 20% darker color. If you saturate the color by 10%, you get **44.8234, 59.9046, 103.8081**, and if you desaturate by 10%, it is **49.7987, 65.4849, 104.6229**.

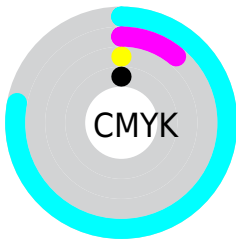
Distribution



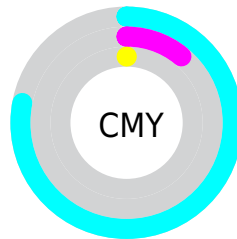
- Red (22%)
- Green (89%)
- Blue (100%)



- Red (22%)
- Yellow (58%)
- Blue (100%)



- Cyan (78%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9337, 62.4826, 104.1944 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 46.9337, 62.4826, 104.1944 by changing the saturation by 10% instead.


 46.9337, 62.4826,
104.1944


 46.9337, 62.4826,
104.1944


365.2032,
433.6893, 594.9194

 33.1910, 45.4228,
79.1717


 84.8340, 108.4227,
169.0114


 22.4327, 31.7906,
58.5149


 109.7223,
138.0718, 209.6427

 14.2936, 21.2016,
41.8053


 139.0564,
172.6861, 256.3141

 8.4082, 13.2714,
28.6244

 173.2019,
212.6499, 309.4439

 4.4112, 7.6157,
18.5537

212.5239,
258.3478, 369.4509

 1.9373, 3.8501,
11.1747

257.3879,

 0.5984, 1.5900,

310.1641, 436.7534

6.0688

308.1592,
368.4831, 511.7700

■ 0.0000, 0.3509,
2.8175

■ 0.0000, 0.0000,
1.0022

■ 46.9337, 62.4826,
104.1944

■ 46.9337, 62.4826,
104.1944

■ 44.8234, 59.9046,
103.8081

■ 49.7987, 65.4849,
104.6229

■ 43.3353, 57.6789,
103.4569

■ 53.5092, 68.9550,
105.0972

■ 43.0314, 57.1828,
103.3771

■ 58.1489, 72.9372,
105.6213

■ 63.7895, 77.4689,
106.1987

■ 70.4958, 82.5837,
106.8325

■ 78.3271, 88.3122,
107.5254

■ 87.3381, 94.6830,
108.2802

■ 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.



43.8910, 62.4826, 76.0669



46.9337, 62.4826, 104.1944



53.3996, 62.4826, 125.5348

Triad

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



46.9337, 62.4826, 104.1944



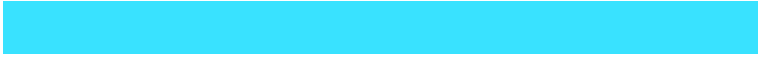
77.0394, 62.4826, 87.3841



56.7271, 62.4826, 29.9003

Complementary

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



46.9337, 62.4826, 104.1944



45.3078, 28.2132, 6.9307

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.



65.8078, 62.4826, 31.4799



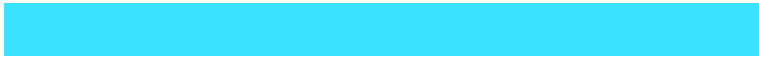
46.9337, 62.4826, 104.1944



78.1603, 62.4826, 60.5855

Square

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



46.9337, 62.4826, 104.1944



70.9466, 62.4826, 114.2514



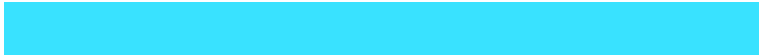
73.8706, 62.4826, 41.3869



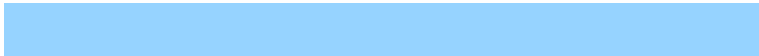
49.1581, 62.4826, 36.3390

Rectangle

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



46.9337, 62.4826, 104.1944



59.0825, 62.4826, 130.5437



73.8706, 62.4826, 41.3869



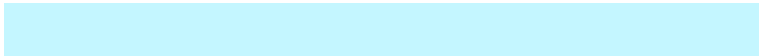
59.6942, 62.4826, 29.5546

Sweetspot

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



46.9355, 62.4848, 104.1947



73.9867, 85.1640, 107.1465



39.0256, 73.0213, 20.3053



15.2500, 17.7962, 22.8812



0.0000, 0.0000, 0.0000



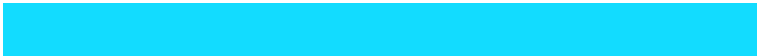
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9355, 62.4848, 104.1947



43.9600, 58.6738, 103.6160



27.6692, 23.9521, 97.7726



18.3148, 20.0012, 23.1453



22.5713, 30.0521, 54.0456



2.2568, 3.0443, 5.2819

Inverse Universe

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



56.4318, 29.6790, 74.7081



54.4075, 26.8692, 70.2143



58.7901, 55.1780, 11.4249



18.6715, 18.2519, 22.1535



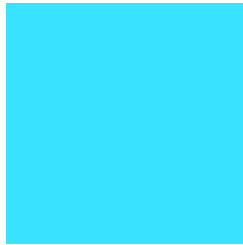
28.1811, 13.7617, 35.9339



2.7737, 1.3519, 3.6559

Previews

White Background



This preview shows how the XYZ color 46.9337, 62.4826, 104.1944 looks on a white background.

Color Contrast Check

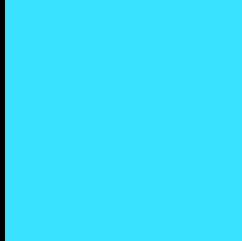
Large Text (above 18pt) WCAG AA × Fail

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 46.9337, 62.4826, 104.1944 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 46.9337, 62.4826, 104.1944

Background



This preview shows how black text looks on a background with the XYZ color 46.9337, 62.4826, 104.1944.

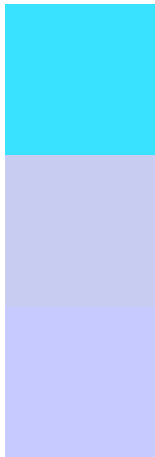


This preview shows how white text looks on a background with the XYZ color 46.9337, 62.4826,

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

46.9337, 62.4826, 104.1944

Protanopia

60.8742, 61.6191, 91.1233

Deuteranopia

62.4592, 61.4668, 103.1801



Tritanopia

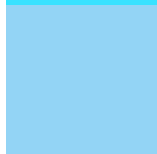
45.3226, 62.2204, 96.8098

Trichromacy



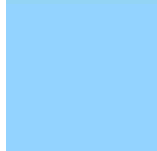
Original Color

46.9337, 62.4826, 104.1944



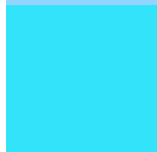
Protanomaly

52.0575, 59.8826, 95.2010



Deuteranomaly

53.3769, 60.0116, 103.3779



Tritanomaly

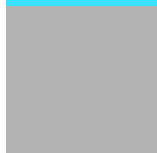
45.9332, 62.4815, 99.2617

Monochromacy



Original Color

46.9337, 62.4826, 104.1944



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.9941, 49.1357, 66.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9337, 62.4826, 104.1944 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(57, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 226, 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(57, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9337, 62.4826, 104.1944 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(57, 226, 255) }
```


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

```
.border{ border-color:rgb(57, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9337, 62.4826, 104.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 226, 255) }
```

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

```
.background{ background-color: rgb(57, 226,  
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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