

Converting Colors

XYZ(46.9391, 62.9659,
104.2874)

Have a look what the booklet for
XYZ(46.9391, 62.9659, 104.2874)
contains.

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Color

**XYZ(46.8843, 62.8620,
104.2703)**

Conversions

Conversions Part 1

Format	Color
Hex	33E3FF
RGB	51, 227, 255
RGB Percent	20%, 89%, 100%
CMY	0.7999, 0.1098, 0.0000
CMYK	0.80, 0.11, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	46.8843, 62.8620, 104.2703
YIQ	177.5680, -113.8840, -28.6040

Conversions

Conversions Part 2

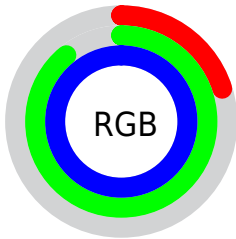
Format	Color
R _Y B	51, 145, 255
Decimal	3400703
CIE Lab	83.37, -33.25, -25.81
CIE LCh	83, 42.094, 217.814
Yxy	62.8620, 0.2191, 0.2937
Android (android.graphics.Color)	4281590783 (0xFF33E3FF)
YUV	177.5680, 38.1740, -111.0001
Hunter-Lab	79.2856, -33.1965, -22.4738

Details

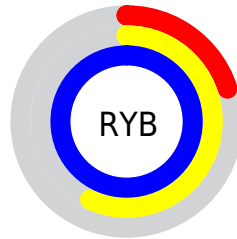
The XYZ color **46.8843, 62.8620, 104.2703** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.6349, 27.0932, 6.0110**, and the grayscale version is **41.9403, 44.1245, 48.0516**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **44.9861, 60.4780, 103.9101**, and if you desaturate by 10%, it is **49.5088, 65.6518, 104.6704**.

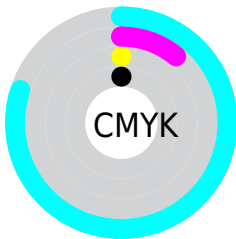
Distribution



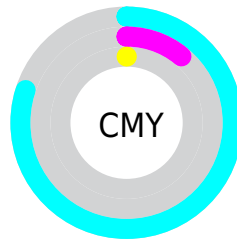
- Red (20%)
- Green (89%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8843, 62.8620, 104.2703 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 46.8843, 62.8620, 104.2703 by changing the saturation by 10% instead.


 46.8843, 62.8620,
104.2703


 46.8843, 62.8620,
104.2703


365.0091,
435.0685, 595.1618

 33.1518, 45.7296,
79.2349


 84.7607, 108.9704,
169.1161

 22.4025, 32.0325,
58.5665


 109.6352,
138.7152, 209.7637

 14.2712, 21.3863,
41.8466


 138.9545,
173.4328, 256.4524

 8.3925, 13.4067,
28.6565

 173.0839,
213.5078, 309.6008

 4.4010, 7.7092,
18.5778

212.3887,
259.3244, 369.6273

 1.9314, 3.9094,
11.1919

257.2342,

 0.5950, 1.6230,

311.2672, 436.9507

6.0803

307.9859,
369.7204, 511.9893

■ 0.0000, 0.3730,
2.8244

■ 0.0000, 0.0000,
1.0057

■ 46.8843, 62.8620,
104.2703

■ 46.8843, 62.8620,
104.2703

■ 44.9861, 60.4780,
103.9101

■ 49.5088, 65.6518,
104.6704

■ 43.6443, 58.4083,
103.5814

■ 52.9552, 68.8932,
105.1144

■ 43.6435, 58.4069,
103.5812

■ 57.3097, 72.6319,
105.6066

■ 62.6463, 76.9063,
106.1503

■ 69.0312, 81.7506,
106.7489

■ 76.5249, 87.1963,
107.4050

■ 85.1829, 93.2720,
108.1214

■ 95.0500, 100.0000,
108.9000

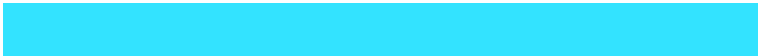
Harmonies

Analogous

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



43.9402, 62.8620, 75.5366



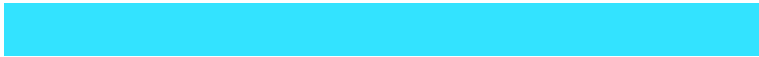
46.8843, 62.8620, 104.2703



53.3402, 62.8620, 126.5951

Triad

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



46.8843, 62.8620, 104.2703



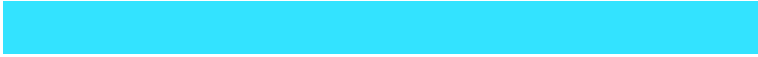
77.5895, 62.8620, 89.3193



57.3854, 62.8620, 29.6431

Complementary

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



46.8843, 62.8620, 104.2703



44.6349, 27.0932, 6.0110

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.



66.6505, 62.8620, 31.5527



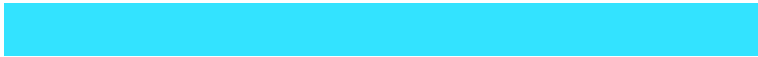
46.8843, 62.8620, 104.2703



78.9552, 62.8620, 61.8137

Square

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



46.8843, 62.8620, 104.2703



71.2125, 62.8620, 116.5390



74.7736, 62.8620, 41.9403



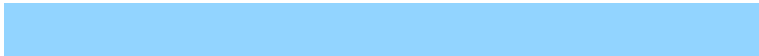
49.5859, 62.8620, 35.8253

Rectangle

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



46.8843, 62.8620, 104.2703



59.0789, 62.8620, 132.2502



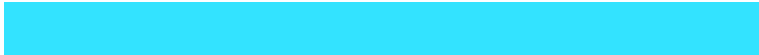
74.7736, 62.8620, 41.9403



60.4230, 62.8620, 29.3967

Sweetspot

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



46.8861, 62.8642, 104.2706



73.3855, 84.9402, 107.1350



38.5090, 72.7774, 19.2661



15.1430, 17.7692, 22.8816



0.0000, 0.0000, 0.0000



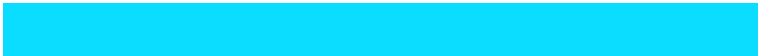
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8861, 62.8642, 104.2706



44.1401, 59.2107, 103.7101



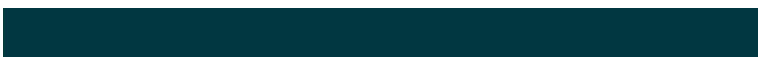
26.8529, 22.7977, 97.5928



18.3298, 20.0312, 23.1503



22.8868, 30.6831, 54.1508



2.2845, 3.0997, 5.2912

Inverse Universe

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



56.2902, 29.1754, 75.3400



54.4554, 26.7233, 70.9750



58.2009, 54.2251, 10.5330



18.6791, 18.2550, 22.1933



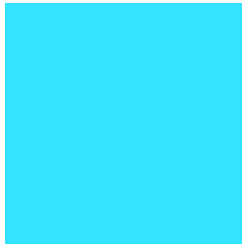
28.3404, 13.8254, 36.7725



2.7877, 1.3575, 3.7295

Previews

White Background



This preview shows how the XYZ color 46.8843, 62.8620, 104.2703 looks on a white background.

Color Contrast Check

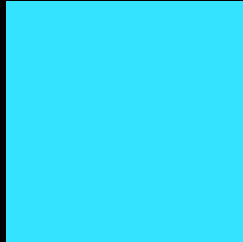
Large Text (above 18pt) WCAG AA × Fail

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 46.8843, 62.8620, 104.2703 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 46.8843, 62.8620, 104.2703

Background



This preview shows how black text looks on a background with the XYZ color 46.8843, 62.8620, 104.2703.

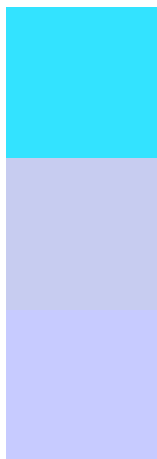


This preview shows how white text looks on a background with the XYZ color 46.8843, 62.8620,

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

46.8843, 62.8620, 104.2703

Protanopia

60.8742, 61.6191, 91.1233

Deuteranopia

62.9591, 62.0740, 103.2709



Tritanopia

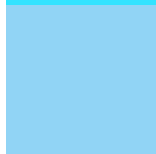
45.4867, 62.6944, 97.6995

Trichromacy



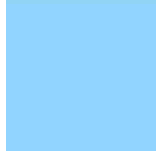
Original Color

46.8843, 62.8620, 104.2703



Protanomaly

51.7020, 59.6993, 95.1843



Deuteranomaly

53.2705, 60.3267, 103.4443



Tritanomaly

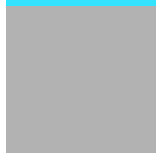
46.0809, 62.9468, 100.1637

Monochromacy



Original Color

46.8843, 62.8620, 104.2703



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.3962, 48.8416, 65.6908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8843, 62.8620, 104.2703 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(51, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8843, 62.8620, 104.2703 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(51, 227, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8843, 62.8620, 104.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 227, 255) }
```

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

```
.background{ background-color: rgb(51, 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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