

Converting Colors

XYZ(50.9849, 64.9556,
104.4582)

Have a look what the booklet for
XYZ(50.9849, 64.9556, 104.4582)
contains.

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Color

**XYZ(50.9986, 64.9830,
104.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	66E3FF
RGB	102, 227, 255
RGB Percent	40%, 89%, 100%
CMY	0.6000, 0.1098, 0.0000
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 100%, 70%
HSV	191°, 60%, 100%
XYZ	50.9986, 64.9830, 104.4628
YIQ	192.8170, -83.4880, -17.7920

Conversions

Conversions Part 2

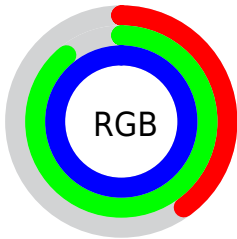
Format	Color
RYB	102, 171, 255
Decimal	6743039
CIELab	84.47, -26.79, -24.02
CIELCh	84, 35.980, 221.889
Yxy	64.9830, 0.2313, 0.2948
Android (android.graphics.Color)	4284933119 (0xFF66E3FF)
YUV	192.8170, 30.6562, -79.6465
Hunter-Lab	80.6120, -28.1444, -20.4038

Details

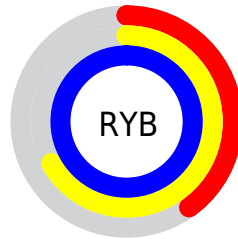
The XYZ color **50.9986, 64.9830, 104.4628** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.6219, 38.1859, 17.2223**, and the grayscale version is **50.4441, 53.0711, 57.7944**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.8436, 33.2482, 58.5342** is the 20% darker color. If you saturate the color by 10%, you get **47.2819, 61.1992, 103.9284**, and if you desaturate by 10%, it is **55.6420, 69.2986, 105.0511**.

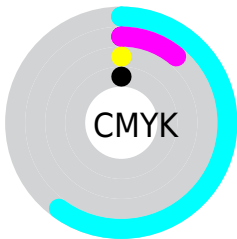
Distribution



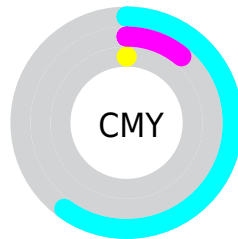
- Red (40%)
- Green (89%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9986, 64.9830, 104.4628 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 50.9986, 64.9830, 104.4628 by changing the saturation by 10% instead.

50.9986, 64.9830,
104.4628

50.9986, 64.9830,
104.4628

380.9461,
442.7309, 595.7765

36.4285, 47.4473,
79.3952

90.8357, 112.0254,
169.3819

24.9370, 33.3894,
58.6976

116.8335,
142.3009, 210.0704

16.1586, 22.4249,
41.9513

147.3711,
177.5918, 256.8031

9.7280, 14.1695,
28.7379

182.8141,
218.2825, 309.9984

5.2799, 8.2386,
18.6388

223.5278,
264.7573, 370.0748

2.4488, 4.2480,
11.2354

269.8774,

0.8695, 1.8132,

317.4007, 437.4509

6.1092

322.2284,
376.5971, 512.5453

■ 0.0000, 0.4954,
2.8417

■ 0.0000, 0.0000,
1.0144

■ 50.9986, 64.9830,
104.4628

■ 50.9986, 64.9830,
104.4628

■ 47.2819, 61.1992,
103.9284

■ 55.6420, 69.2986,
105.0511

■ 44.4018, 57.8963,
103.4426

■ 61.2807, 74.1777,
105.6956

■ 42.2589, 55.0239,
103.0011

■ 67.9829, 79.6572,
106.4000

■ 40.6885, 52.4969,
102.5961

■ 75.8092, 85.7687,
107.1672

■ 40.6881, 52.4961,
102.5960

■ 84.8153, 92.5414,
107.9998

95.0500, 100.0000,
108.9000

Harmonies

Analogous

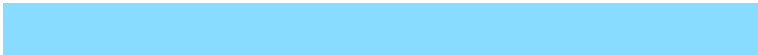
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8921, 64.9830, 80.2321



50.9986, 64.9830, 104.4628



57.1015, 64.9830, 121.4747

Triad

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



50.9986, 64.9830, 104.4628



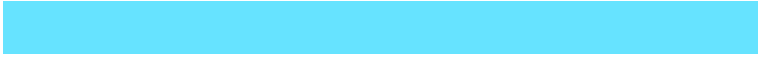
77.5814, 64.9830, 85.3645



58.6470, 64.9830, 35.7880

Complementary

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



50.9986, 64.9830, 104.4628



51.6219, 38.1859, 17.2223

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.



66.6745, 64.9830, 36.5801



50.9986, 64.9830, 104.4628



78.0860, 64.9830, 62.0560

Square

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



50.9986, 64.9830, 104.4628



72.6235, 64.9830, 108.9121



73.9477, 64.9830, 45.2124



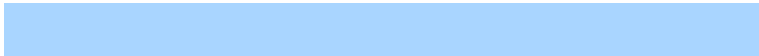
52.0456, 64.9830, 42.7481

Rectangle

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



50.9986, 64.9830, 104.4628



62.2732, 64.9830, 124.5986



73.9477, 64.9830, 45.2124



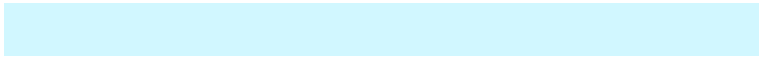
61.2584, 64.9830, 35.2061

Sweetspot

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



51.0004, 64.9853, 104.4632



77.5116, 87.0674, 107.3281



45.1043, 75.8908, 32.5234



16.0630, 18.2328, 22.9226



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.



51.0004, 64.9853, 104.4632



46.6408, 60.5004, 103.8273



34.9225, 32.8295, 99.1038



18.2556, 19.8828, 23.1255



21.3624, 27.6344, 53.6426



2.1501, 2.8308, 5.2464

Inverse Universe

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



59.8578, 36.3106, 76.5293



56.6236, 31.0595, 71.6987



65.2322, 65.4065, 21.7591



18.6417, 18.2400, 21.9961



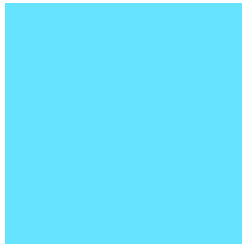
27.5709, 13.5177, 32.7207



2.7199, 1.3303, 3.3722

Previews

White Background



This preview shows how the XYZ color 50.9986, 64.9830, 104.4628 looks on a white background.

Color Contrast Check

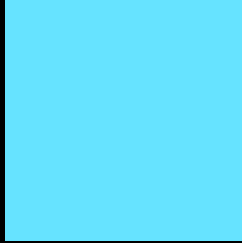
Large Text (above 18pt) WCAG AA × Fail

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 50.9986, 64.9830, 104.4628 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

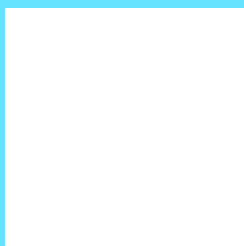
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9986, 64.9830, 104.4628

Background



This preview shows how black text looks on a background with the XYZ color 50.9986, 64.9830, 104.4628.

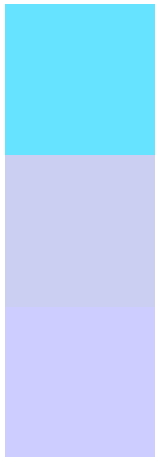


This preview shows how white text looks on a background with the XYZ color 50.9986, 64.9830,

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

50.9986, 64.9830, 104.4628

Protanopia

63.2115, 64.2191, 93.0683

Deuteranopia

65.2981, 64.3417, 103.5854



Tritanopia

49.5689, 64.7989, 97.8906

Trichromacy



Original Color

50.9986, 64.9830, 104.4628



Protanomaly

56.8148, 63.4233, 97.2431



Deuteranomaly

58.2450, 63.6380, 103.8213



Tritanomaly

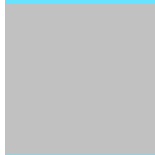
50.1443, 65.0416, 100.3539

Monochromacy



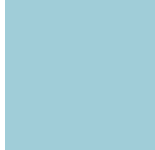
Original Color

50.9986, 64.9830, 104.4628



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.7232, 56.0941, 73.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9986, 64.9830, 104.4628 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(102, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.9986, 64.9830, 104.4628 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(102, 227, 255) }
```


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

```
.border{ border-color:rgb(102, 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(102, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9986, 64.9830, 104.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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