

Converting Colors

XYZ(49.9362, 62.5795,
104.0549)

Have a look what the booklet for
XYZ(49.9362, 62.5795, 104.0549)
contains.

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Color

**XYZ(49.8802, 62.4056,
104.0243)**

Conversions

Conversions Part 1

Format	Color
Hex	68DEFF
RGB	104, 222, 255
RGB Percent	41%, 87%, 100%
CMY	0.5921, 0.1294, 0.0000
CMYK	0.59, 0.13, 0.00, 0.00
HSL	193°, 100%, 70%
HSV	193°, 59%, 100%
XYZ	49.8802, 62.4056, 104.0243
YIQ	190.4800, -80.9210, -14.7530

Conversions

Conversions Part 2

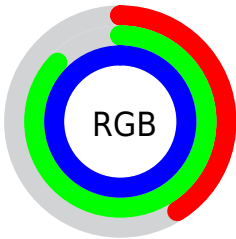
Format	Color
RYB	104, 170, 255
Decimal	6872831
CIELab	83.13, -23.97, -26.07
CIELCh	83, 35.416, 227.396
Yxy	62.4056, 0.2306, 0.2885
Android (android.graphics.Color)	4285062911 (0xFF68DEFF)
YUV	190.4800, 31.8084, -75.8430
Hunter-Lab	78.9972, -25.5372, -22.7756

Details

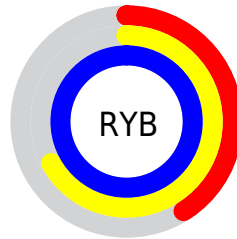
The XYZ color **49.8802, 62.4056, 104.0243** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.6854, 40.1523, 18.0721**, and the grayscale version is **49.0779, 51.6338, 56.2292**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **24.2803, 31.8531, 58.2946** is the 20% darker color. If you saturate the color by 10%, you get **45.9000, 58.1940, 103.4211**, and if you desaturate by 10%, it is **54.8075, 67.1807, 104.6863**.

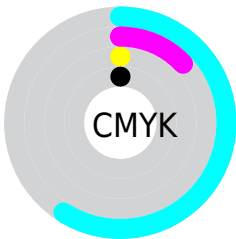
Distribution



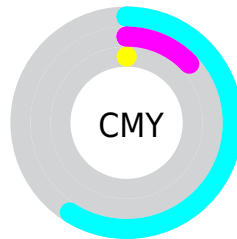
- Red (41%)
- Green (87%)
- Blue (100%)



- Red (41%)
- Yellow (67%)
- Blue (100%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8802, 62.4056, 104.0243 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 49.8802, 62.4056, 104.0243 by changing the saturation by 10% instead.

49.8802, 62.4056,
104.0243

49.8802, 62.4056,
104.0243

376.6570,
433.4091, 594.3759

35.5356, 45.3605,
79.0301

89.1902, 108.3115,
168.7765

24.2442, 31.7415,
58.3991

114.8864,
137.9411, 209.3716

15.6406, 21.1641,
41.7127

145.0972,
172.5344, 256.0041

9.3594, 13.2440,
28.5525

180.1878,
212.4757, 309.0924

5.0353, 7.5968,
18.4999

220.5238,
258.1494, 369.0553

2.3030, 3.8380,
11.1364

266.4704,

0.7962, 1.5834,

309.9399, 436.3111

6.0433

318.3930,
368.2317, 511.2784

■ 0.0000, 0.3464,
2.8022

■ 0.0000, 0.0000,
0.9946

■ 49.8802, 62.4056,
104.0243

■ 49.8802, 62.4056,
104.0243

■ 45.9000, 58.1940,
103.4211

■ 54.8075, 67.1807,
104.6863

■ 42.7776, 54.4952,
102.8717

■ 60.7500, 72.5513,
105.4097

■ 40.4152, 51.2594,
102.3717

■ 67.7757, 78.5541,
106.1980

■ 38.6630, 48.4087,
101.9138

■ 75.9449, 85.2211,
107.0543

■ 38.5366, 48.1931,
101.8789

■ 85.3132, 92.5816,
107.9813

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.



46.3238, 62.4056, 81.3770



49.8802, 62.4056, 104.0243



56.1541, 62.4056, 118.0707

Triad

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



49.8802, 62.4056, 104.0243



74.9044, 62.4056, 77.5893



55.0132, 62.4056, 35.0855

Complementary

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



49.8802, 62.4056, 104.0243



52.6854, 40.1523, 18.0721

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.



62.5916, 62.4056, 34.5003



49.8802, 62.4056, 104.0243



74.5320, 62.4056, 56.0860

Square

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



49.8802, 62.4056, 104.0243



70.8468, 62.4056, 100.7415



69.8695, 62.4056, 41.3584



49.1072, 62.4056, 43.1785

Rectangle

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



49.8802, 62.4056, 104.0243



61.2337, 62.4056, 119.0365



69.8695, 62.4056, 41.3584



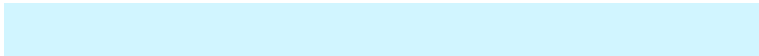
57.4361, 62.4056, 34.0779

Sweetspot

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



49.8820, 62.4078, 104.0246



77.0159, 86.0762, 107.1629



45.9653, 76.2617, 35.8602



15.9408, 17.9883, 22.8819



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.



49.8820, 62.4078, 104.0246



45.2815, 57.4964, 103.3191



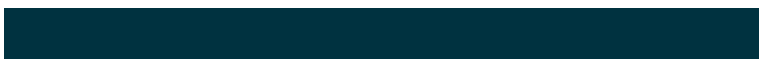
34.1608, 30.9654, 98.7842



18.1983, 19.7681, 23.1064



20.2512, 25.4120, 53.2722



2.0512, 2.6330, 5.2134

Inverse Universe

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



59.3764, 36.4363, 73.0130



56.0071, 31.0796, 67.6302



67.3373, 69.4561, 22.9561



18.6127, 18.2284, 21.8437



27.0101, 13.2933, 29.7671



2.6699, 1.3104, 3.1093

Previews

White Background



This preview shows how the XYZ color 49.8802, 62.4056, 104.0243 looks on a white background.

Color Contrast Check

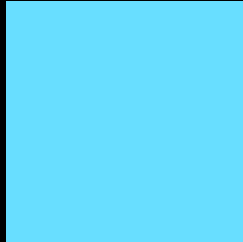
Large Text (above 18pt) WCAG AA × Fail

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 49.8802, 62.4056, 104.0243 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 49.8802, 62.4056, 104.0243

Background



This preview shows how black text looks on a background with the XYZ color 49.8802, 62.4056, 104.0243.

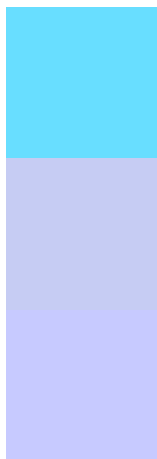


This preview shows how white text looks on a background with the XYZ color 49.8802, 62.4056,

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

49.8802, 62.4056, 104.0243

Protanopia

61.0592, 61.6626, 93.4779

Deuteranopia

62.7237, 61.6032, 103.1924



Tritanopia

47.8283, 62.3748, 93.5231

Trichromacy



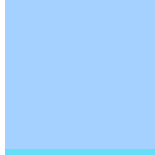
Original Color

49.8802, 62.4056, 104.0243



Protanomaly

55.3926, 61.1964, 96.8883



Deuteranomaly

56.1603, 60.7134, 103.3666



Tritanomaly

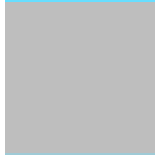
48.5430, 62.2575, 97.4541

Monochromacy



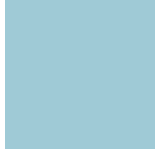
Original Color

49.8802, 62.4056, 104.0243



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.5562, 54.4670, 71.6250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8802, 62.4056, 104.0243 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(104, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 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(104, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8802, 62.4056, 104.0243 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(104, 222, 255) }
```


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

```
.border{ border-color:rgb(104, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8802, 62.4056, 104.0243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 255) }
```

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

```
.background{ background-color: rgb(104,  
222, 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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