

Converting Colors

XYZ(50.9318, 63.3638,
109.3821)

Have a look what the booklet for
XYZ(50.9318, 63.3638, 109.3821)
contains.

XYZ(49.8045, 62.7621, 104.0971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.8045, 62.7621,
104.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	65DFFF
RGB	101, 223, 255
RGB Percent	40%, 87%, 100%
CMY	0.6039, 0.1255, 0.0000
CMYK	0.60, 0.13, 0.00, 0.00
HSL	192°, 100%, 70%
HSV	192°, 60%, 100%
XYZ	49.8045, 62.7621, 104.0971
YIQ	190.1700, -82.9840, -15.9120

Conversions

Conversions Part 2

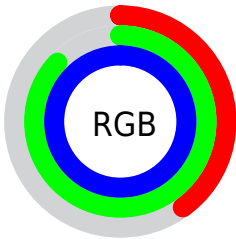
Format	Color
R_{YB}	101, 169, 255
Decimal	6676479
CIE _{Lab}	83.32, -24.99, -25.79
CIE _{LCh}	83, 35.911, 225.902
Yxy	62.7621, 0.2299, 0.2897
Android (android.graphics.Color)	4284866559 (0xFF65DFFF)
YUV	190.1700, 31.9612, -78.2021
Hunter-Lab	79.2225, -26.4226, -22.4503

Details

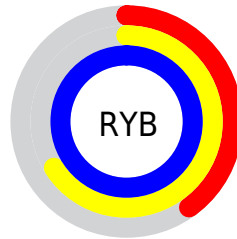
The XYZ color **49.8045, 62.7621, 104.0971** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.9775, 38.9760, 17.0975**, and the grayscale version is **48.8994, 51.4459, 56.0246**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **24.2457, 32.1083, 58.3457** is the 20% darker color. If you saturate the color by 10%, you get **45.9865, 58.7264, 103.5193**, and if you desaturate by 10%, it is **54.5558, 67.3473, 104.7317**.

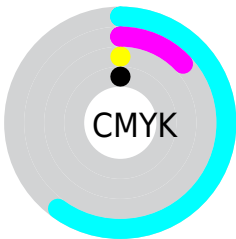
Distribution



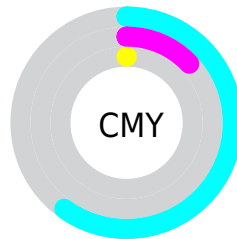
- Red (40%)
- Green (87%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8045, 62.7621, 104.0971 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 49.8045, 62.7621, 104.0971 by changing the saturation by 10% instead.

49.8045, 62.7621,
104.0971

49.8045, 62.7621,
104.0971

376.3656,
434.7056, 594.6085

35.4752, 45.6488,
79.0907

89.0787, 108.8262,
168.8770

24.1974, 31.9688,
58.4486

114.7544,
138.5458, 209.4877

15.6057, 21.3376,
41.7523

144.9429,
173.2363, 256.1368

9.3346, 13.3710,
28.5833

180.0096,
213.2820, 309.2429

5.0189, 7.6845,
18.5230

220.3199,
259.0674, 369.2246

2.2932, 3.8938,
11.1528

266.2390,

0.7912, 1.6143,

310.9769, 436.5004

6.0542

318.1325,
369.3948, 511.4889

■ 0.0000, 0.3672,
2.8088

■ 0.0000, 0.0000,
0.9978

■ 49.8045, 62.7621,
104.0971

■ 49.8045, 62.7621,
104.0971

■ 45.9865, 58.7264,
103.5193

■ 54.5558, 67.3473,
104.7317

■ 43.0110, 55.1888,
102.9933

■ 60.3095, 72.5144,
105.4258

■ 40.7779, 52.0986,
102.5145

■ 67.1342, 78.3005,
106.1829

■ 39.1743, 49.4686,
102.0914

■ 75.0907, 84.7376,
107.0060

■ 84.2353, 91.8552,
107.8979

94.6201, 99.6808,
108.8610

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.



46.3491, 62.7621, 80.8070



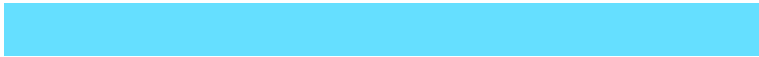
49.8045, 62.7621, 104.0971



56.0709, 62.7621, 119.0932

Triad

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



49.8045, 62.7621, 104.0971



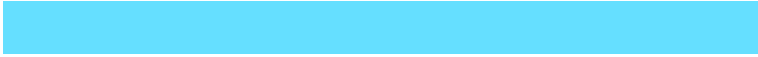
75.4304, 62.7621, 79.3542



55.6341, 62.7621, 34.7673

Complementary

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



49.8045, 62.7621, 104.0971



51.9775, 38.9760, 17.0975

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.



63.3855, 62.7621, 34.5445



49.8045, 62.7621, 104.0971



75.2875, 62.7621, 57.2213

Square

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



49.8045, 62.7621, 104.0971



71.0971, 62.7621, 102.8355



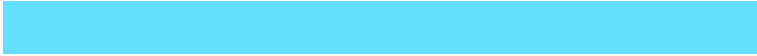
70.7222, 62.7621, 41.8778



49.5089, 62.7621, 42.5719

Rectangle

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



49.8045, 62.7621, 104.0971



61.2104, 62.7621, 120.6453



70.7222, 62.7621, 41.8778



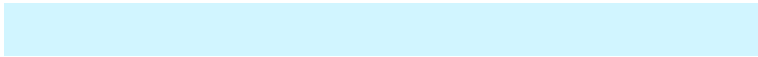
58.1232, 62.7621, 33.8718

Sweetspot

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



49.8063, 62.7643, 104.0974



77.1654, 86.3751, 107.2128



45.2793, 75.9478, 34.0332



15.9776, 18.0620, 22.8942



0.0000, 0.0000, 0.0000



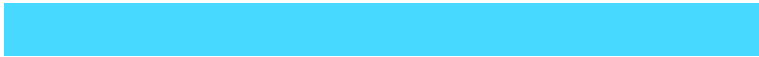
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8063, 62.7643, 104.0974



45.4526, 58.1240, 103.4312



33.8834, 30.9185, 98.7898



18.2156, 19.8028, 23.1122



20.5807, 26.0710, 53.3821



2.0806, 2.6919, 5.2232

Inverse Universe

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



59.2142, 35.8968, 73.6223



56.0238, 30.8196, 68.5404



66.3413, 67.7037, 21.8855



18.6215, 18.2319, 21.8898



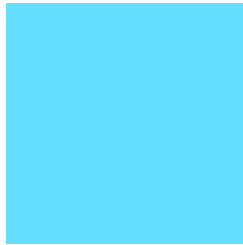
27.1764, 13.3598, 30.6430



2.6848, 1.3163, 3.1875

Previews

White Background



This preview shows how the XYZ color 49.8045, 62.7621, 104.0971 looks on a white background.

Color Contrast Check

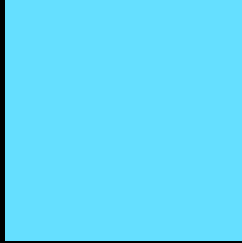
Large Text (above 18pt) WCAG AA × Fail

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 49.8045, 62.7621, 104.0971 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

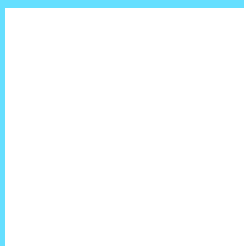
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8045, 62.7621, 104.0971

Background



This preview shows how black text looks on a background with the XYZ color 49.8045, 62.7621, 104.0971.

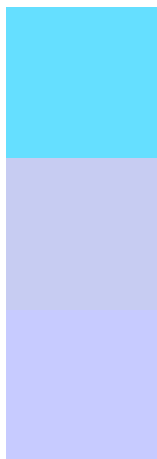


This preview shows how white text looks on a background with the XYZ color 49.8045, 62.7621,

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

49.8045, 62.7621, 104.0971

Protanopia

61.1731, 61.7387, 92.6970

Deuteranopia

62.9591, 62.0740, 103.2709



Tritanopia

47.9267, 62.8083, 94.3912

Trichromacy



Original Color

49.8045, 62.7621, 104.0971

Protanomaly

55.1870, 61.0905, 96.8787

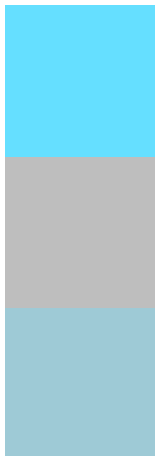
Deuteranomaly

56.2009, 61.0997, 103.4391

Tritanomaly

48.4812, 62.6234, 97.5280

Monochromacy



Original Color

49.8045, 62.7621, 104.0971

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.3587, 54.3652, 71.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8045, 62.7621, 104.0971 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(101, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 223, 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(101, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8045, 62.7621, 104.0971 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(101, 223, 255) }
```


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

```
.border{ border-color:rgb(101, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8045, 62.7621, 104.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 223, 255) }
```

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

```
.background{ background-color: rgb(101,  
223, 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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