

Converting Colors

XYZ(48.9739, 61.5184, 97.5722)

Have a look what the booklet for
XYZ(48.9739, 61.5184, 97.5722)
contains.

XYZ(49.0754, 61.7433, 97.3268)	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(49.0754, 61.7433,
97.3268)**

Conversions

Conversions Part 1

Format	Color
Hex	6EDDF7
RGB	110, 221, 247
RGB Percent	43%, 87%, 97%
CMY	0.5686, 0.1333, 0.0314
CMYK	0.55, 0.11, 0.00, 0.03
HSL	191°, 90%, 70%
HSV	191°, 55%, 97%
XYZ	49.0754, 61.7433, 97.3268
YIQ	190.7750, -74.5020, -15.4460

Conversions

Conversions Part 2

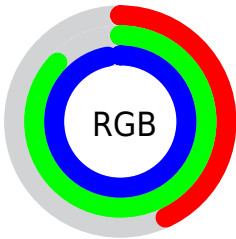
Format	Color
RYB	110, 171, 247
Decimal	7265783
CIELab	82.78, -24.64, -22.35
CIELCh	83, 33.267, 222.217
Yxy	61.7433, 0.2358, 0.2966
Android (android.graphics.Color)	4285455863 (0xFF6EDDF7)
YUV	190.7750, 27.7189, -70.8397
Hunter-Lab	78.5769, -26.0270, -18.4339

Details

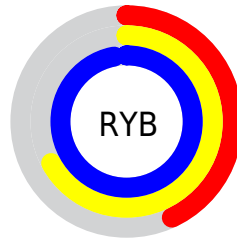
The XYZ color **49.0754, 61.7433, 97.3268** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **49.9780, 38.5101, 19.5530**, and the grayscale version is **49.2684, 51.8342, 56.4475**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **23.8395, 31.4461, 54.1034** is the 20% darker color. If you saturate the color by 10%, you get **45.1998, 57.9349, 96.7971**, and if you desaturate by 10%, it is **53.8457, 66.0668, 97.9110**.

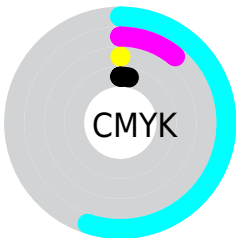
Distribution



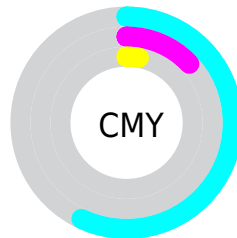
- Red (43%)
- Green (87%)
- Blue (97%)



- Red (43%)
- Yellow (67%)
- Blue (97%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (57%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0754, 61.7433, 97.3268 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 49.0754, 61.7433, 97.3268 by changing the saturation by 10% instead.

49.0754, 61.7433,
97.3268

49.0754, 61.7433,
97.3268

373.5511,
430.9941, 572.7610

34.8941, 44.8253,
73.4655

88.0035, 107.3544,
159.4984

23.7474, 31.3199,
53.8626

113.4809,
136.8164, 198.6458

15.2701, 20.8425,
38.0994

143.4545,
171.2284, 243.7257

9.0967, 13.0089,
25.7574

178.2895,
210.9750, 295.1566

4.8619, 7.4347,
16.4181

218.3513,
256.4404, 353.3570

2.2004, 3.7354,
9.6629

264.0053,

0.7430, 1.5267,

308.0092, 418.7455

5.0734

315.6168,
366.0656, 491.7407

■ 0.0000, 0.3074,
2.2309

■ 0.0000, 0.0000,
0.6921

■ 49.0754, 61.7433,
97.3268

■ 49.0754, 61.7433,
97.3268

■ 45.1998, 57.9349,
96.7971

■ 53.8457, 66.0668,
97.9110

■ 42.1398, 54.5966,
96.3140

■ 59.5699, 70.9325,
98.5485

■ 39.8115, 51.6859,
95.8749

■ 66.3088, 76.3734,
99.2435

■ 38.1095, 49.1482,
95.4748

■ 74.1163, 82.4177,
99.9987

■ 37.4724, 48.0828,
95.3027

■ 83.0425, 89.0916,
100.8164

■ 91.9440, 95.8061,
101.6433

■ 93.4120, 98.7421,
102.1326

■ 93.7887, 99.4955,
102.2582

Harmonies

Analogous

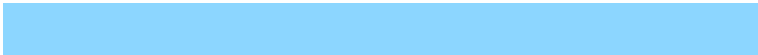
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2411, 61.7433, 75.9142



49.0754, 61.7433, 97.3268



54.5833, 61.7433, 112.1528

Triad

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



49.0754, 61.7433, 97.3268



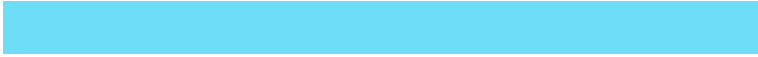
72.7828, 61.7433, 79.9924



55.8220, 61.7433, 35.6067

Complementary

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



49.0754, 61.7433, 97.3268



49.9780, 38.5101, 19.5530

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.



62.9876, 61.7433, 36.2589



49.0754, 61.7433, 97.3268



73.1827, 61.7433, 59.2310

Square

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



49.0754, 61.7433, 97.3268



68.4223, 61.7433, 100.8301



69.4740, 61.7433, 44.0784



49.9186, 61.7433, 42.0680

Rectangle

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



49.0754, 61.7433, 97.3268



59.2189, 61.7433, 114.7794



69.4740, 61.7433, 44.0784



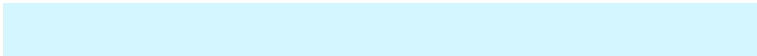
58.1546, 61.7433, 35.0449

Sweetspot

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



49.0774, 61.7456, 97.3283



78.2920, 87.5480, 107.3798



44.0743, 71.5906, 34.4624



16.3839, 18.4520, 22.9480



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.



49.0774, 61.7456, 97.3283



47.9944, 61.6613, 103.9800



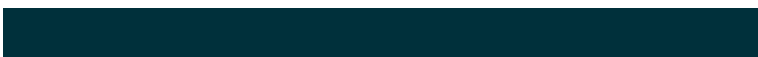
34.6750, 32.9408, 92.5275



16.7138, 18.1919, 21.1730



19.9171, 25.6280, 50.4350



1.8178, 2.3870, 4.4552

Inverse Universe

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



56.9866, 36.1485, 72.3828



57.6843, 32.9289, 72.8290



62.6758, 63.9056, 23.7855



17.0709, 16.7112, 20.1197



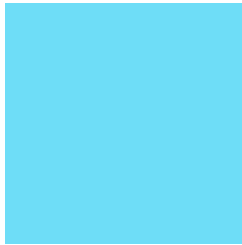
25.8577, 12.6865, 30.2889



2.3066, 1.1286, 2.8409

Previews

White Background



This preview shows how the XYZ color 49.0754, 61.7433, 97.3268 looks on a white background.

Color Contrast Check

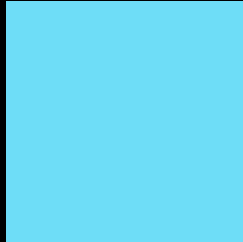
Large Text (above 18pt) WCAG AA × Fail

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 49.0754, 61.7433, 97.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

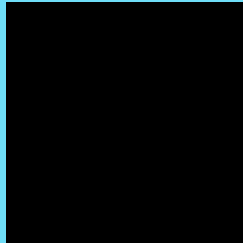
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0754, 61.7433, 97.3268

Background



This preview shows how black text looks on a background with the XYZ color 49.0754, 61.7433, 97.3268.



This preview shows how white text looks on a background with the XYZ color 49.0754, 61.7433,

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

49.0754, 61.7433, 97.3268

Protanopia

59.9045, 60.8521, 87.1856

Deuteranopia

62.1543, 60.6911, 99.7055



Tritanopia

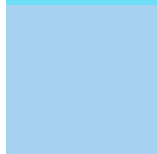
47.9129, 61.6596, 91.8143

Trichromacy



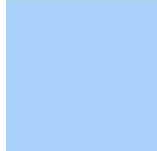
Original Color

49.0754, 61.7433, 97.3268



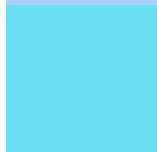
Protanomaly

54.5629, 60.5407, 90.4711



Deuteranomaly

55.9596, 60.3387, 99.1396



Tritanomaly

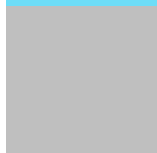
48.4833, 61.9018, 94.1869

Monochromacy



Original Color

49.0754, 61.7433, 97.3268



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.7787, 54.6256, 69.6536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0754, 61.7433, 97.3268 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(110, 221, 247)` looks like.

```
.text, #text, p{  
    color:rgb(110, 221, 247)  
}
```

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(110, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 221, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.0754, 61.7433, 97.3268 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(110, 221, 247) }
```


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

```
.border{ border-color:rgb(110, 221, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 221, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(110, 221,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0754, 61.7433, 97.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 221, 247) }
```

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

```
.background{ background-color: rgb(110,  
221, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor