

Converting Colors

XYZ(60.3231, 65.8535,
158.5507)

Have a look what the booklet for
XYZ(60.3231, 65.8535, 158.5507)
contains.

XYZ(49.9499, 61.6576, 103.8762)	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(49.9499, 61.6576,
103.8762)**

Conversions

Conversions Part 1

Format	Color
Hex	6DDCFF
RGB	109, 220, 255
RGB Percent	43%, 86%, 100%
CMY	0.5725, 0.1372, 0.0000
CMYK	0.57, 0.14, 0.00, 0.00
HSL	194°, 100%, 71%
HSV	194°, 57%, 100%
XYZ	49.9499, 61.6576, 103.8762
YIQ	190.8010, -77.3910, -12.6470

Conversions

Conversions Part 2

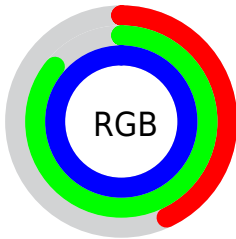
Format	Color
RYB	109, 172, 255
Decimal	7199999
CIELab	82.73, -22.07, -26.66
CIELCh	83, 34.612, 230.379
Yxy	61.6576, 0.2318, 0.2861
Android (android.graphics.Color)	4285390079 (0xFF6DDCFF)
YUV	190.8010, 31.6501, -71.7395
Hunter-Lab	78.5224, -23.8661, -23.4683

Details

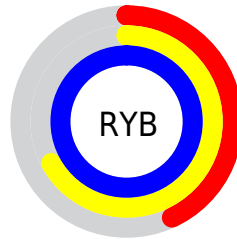
The XYZ color **49.9499, 61.6576, 103.8762** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.9747, 42.3122, 19.7925**, and the grayscale version is **49.2626, 51.8281, 56.4408**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **24.3079, 31.3276, 58.1917** is the 20% darker color. If you saturate the color by 10%, you get **45.6811, 57.1199, 103.2253**, and if you desaturate by 10%, it is **55.1906, 66.7860, 104.5899**.

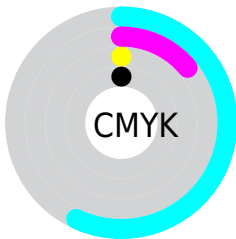
Distribution



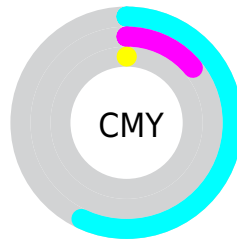
- Red (43%)
- Green (86%)
- Blue (100%)



- Red (43%)
- Yellow (67%)
- Blue (100%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9499, 61.6576, 103.8762 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 49.9499, 61.6576, 103.8762 by changing the saturation by 10% instead.

49.9499, 61.6576,
103.8762

49.9499, 61.6576,
103.8762

376.9252,
430.6810, 593.9024

35.5912, 44.7561,
78.9068

89.2929, 107.2305,
168.5720

24.2873, 31.2654,
58.2983

115.0080,
136.6707, 209.1355

15.6728, 20.8010,
41.6322

145.2392,
171.0593, 255.7341

9.3823, 12.9786,
28.4900

180.3519,
210.7805, 308.7863

5.0505, 7.4138,
18.4531

220.7115,
256.2190, 368.7107

2.3120, 3.7222,
11.1030

266.6834,

0.8008, 1.5194,

307.7589, 435.9258

6.0211

318.6328,
365.7848, 510.8502

■ 0.0000, 0.3023,
2.7889

■ 0.0000, 0.0000,
0.9879

■ 49.9499, 61.6576,
103.8762

■ 49.9499, 61.6576,
103.8762

■ 45.6811, 57.1199,
103.2253

■ 55.1906, 66.7860,
104.5899

■ 42.2971, 53.1232,
102.6323

■ 61.4698, 72.5365,
105.3689

■ 39.7035, 49.6193,
102.0926

■ 68.8544, 78.9457,
106.2168

■ 37.7768, 46.5433,
101.6005

■ 77.4037, 86.0451,
107.1365

■ 37.3134, 45.7468,
101.4711

■ 87.1730, 93.8641,
108.1308

95.0500, 100.0000,
108.9000

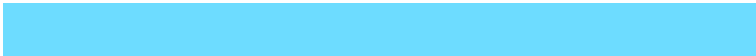
Harmonies

Analogous

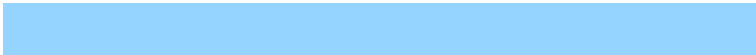
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1957, 61.6576, 82.4281



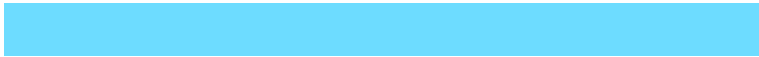
49.9499, 61.6576, 103.8762



56.2462, 61.6576, 116.1441

Triad

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



49.9499, 61.6576, 103.8762



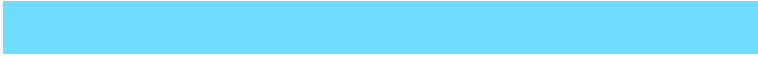
73.8621, 61.6576, 74.2143



53.7642, 61.6576, 35.5987

Complementary

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



49.9499, 61.6576, 103.8762



53.9747, 42.3122, 19.7925

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.



61.0262, 61.6576, 34.3128



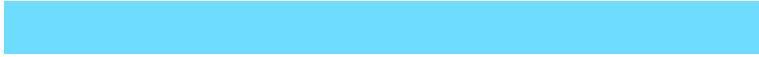
49.9499, 61.6576, 103.8762



73.0555, 61.6576, 53.8605

Square

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



49.9499, 61.6576, 103.8762



70.3221, 61.6576, 96.7820



68.2034, 61.6576, 40.2736



48.2652, 61.6576, 44.2596

Rectangle

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



49.9499, 61.6576, 103.8762



61.2176, 61.6576, 116.0088



68.2034, 61.6576, 40.2736



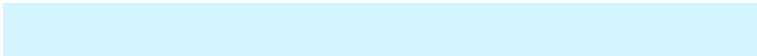
56.0653, 61.6576, 34.3729

Sweetspot

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



49.9517, 61.6598, 103.8765



77.6346, 86.2331, 107.1606



47.0310, 76.7571, 38.3522



16.2275, 18.1392, 22.8959



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.



49.9517, 61.6598, 103.8765



45.0281, 56.3834, 103.1176



34.9380, 31.6324, 98.8720



18.1642, 19.7000, 23.0951



19.6188, 24.1472, 53.0614



1.9945, 2.5197, 5.1945

Inverse Universe

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



59.6282, 37.3664, 71.7821



56.0272, 31.6542, 65.9892



68.5742, 71.5112, 24.6590



18.5955, 18.2215, 21.7532



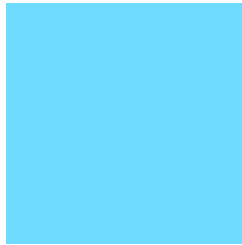
26.6909, 13.1656, 28.0862



2.6413, 1.2989, 2.9587

Previews

White Background



This preview shows how the XYZ color 49.9499, 61.6576, 103.8762 looks on a white background.

Color Contrast Check

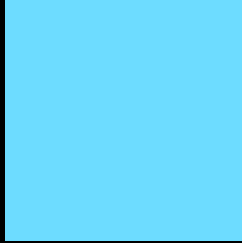
Large Text (above 18pt) WCAG AA × Fail

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 49.9499, 61.6576, 103.8762 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 49.9499, 61.6576, 103.8762

Background



This preview shows how black text looks on a background with the XYZ color 49.9499, 61.6576, 103.8762.

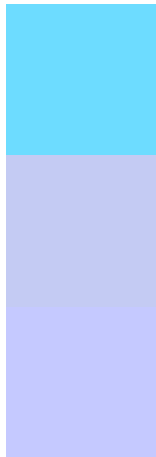


This preview shows how white text looks on a background with the XYZ color 49.9499, 61.6576,

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

49.9499, 61.6576, 103.8762

Protanopia

60.2985, 60.9187, 93.3744

Deuteranopia

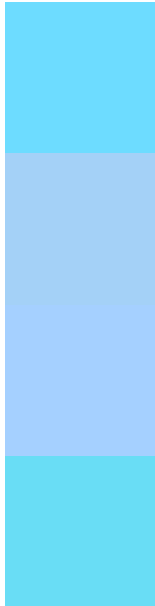
61.9626, 60.8636, 103.0898



Tritanopia

47.4430, 61.4174, 91.7923

Trichromacy



Original Color

49.9499, 61.6576, 103.8762

Protanomaly

54.8988, 60.2088, 96.7237

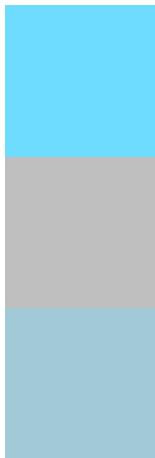
Deuteranomaly

56.1229, 60.3311, 103.2948

Tritanomaly

48.1636, 61.3087, 95.6815

Monochromacy



Original Color

49.9499, 61.6576, 103.8762

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.9561, 54.6732, 71.6438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9499, 61.6576, 103.8762 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(109, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 220, 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(109, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.9499, 61.6576, 103.8762 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(109, 220, 255) }
```


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

```
.border{ border-color:rgb(109, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9499, 61.6576, 103.8762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 220, 255) }
```

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

```
.background{ background-color: rgb(109,  
220, 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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