

Converting Colors

XYZ(49.2725, 61.5289,
103.8871)

Have a look what the booklet for
XYZ(49.2725, 61.5289, 103.8871)
contains.

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Color

**XYZ(49.3859, 61.7577,
103.9253)**

Conversions

Conversions Part 1

Format	Color
Hex	66DDFF
RGB	102, 221, 255
RGB Percent	40%, 87%, 100%
CMY	0.6000, 0.1333, 0.0000
CMYK	0.60, 0.13, 0.00, 0.00
HSL	193°, 100%, 70%
HSV	193°, 60%, 100%
XYZ	49.3859, 61.7577, 103.9253
YIQ	189.2950, -81.8380, -14.6540

Conversions

Conversions Part 2

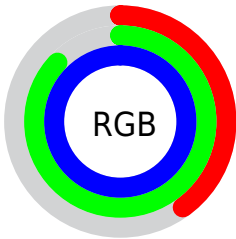
Format	Color
RYB	102, 169, 255
Decimal	6741503
CIELab	82.78, -23.83, -26.60
CIElCh	83, 35.710, 228.147
Yxy	61.7577, 0.2296, 0.2872
Android (android.graphics.Color)	4284931583 (0xFF66DDFF)
YUV	189.2950, 32.3926, -76.5577
Hunter-Lab	78.5861, -25.3507, -23.3972

Details

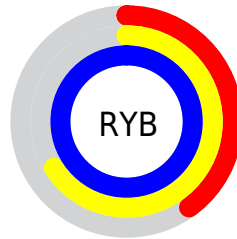
The XYZ color **49.3859, 61.7577, 103.9253** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.4434, 39.8289, 17.4960**, and the grayscale version is **48.3944, 50.9147, 55.4461**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **23.9673, 31.4208, 58.2277** is the 20% darker color. If you saturate the color by 10%, you get **45.4573, 57.5500, 103.3202**, and if you desaturate by 10%, it is **54.2570, 66.5288, 104.5894**.

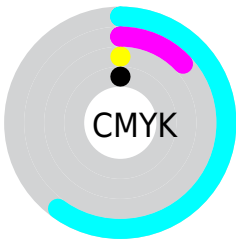
Distribution



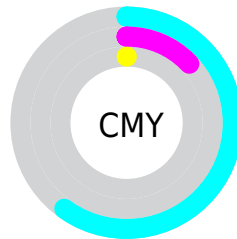
- Red (40%)
- Green (87%)
- Blue (100%)



- 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 49.3859, 61.7577, 103.9253 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 49.3859, 61.7577, 103.9253 by changing the saturation by 10% instead.

49.3859, 61.7577,
103.9253

49.3859, 61.7577,
103.9253

374.7514,
431.0467, 594.0594

35.1415, 44.8369,
78.9477

88.4616, 107.3753,
168.6398

23.9389, 31.3290,
58.3317

114.0236,
136.8409, 209.2138

15.4128, 20.8495,
41.6589

144.0889,
171.2569, 255.8236

9.1978, 13.0140,
28.5107

179.0228,
211.0077, 308.8878

4.9286, 7.4382,
18.4686

219.1906,
256.4776, 368.8249

2.2397, 3.7376,
11.1140

264.9577,

0.7636, 1.5279,

308.0512, 436.0536

6.0285

316.6895,
366.1128, 510.9922

■ 0.0000, 0.3083,
2.7933

■ 0.0000, 0.0000,
0.9901

■ 49.3859, 61.7577,
103.9253

■ 49.3859, 61.7577,
103.9253

■ 45.4573, 57.5500,
103.3202

■ 54.2570, 66.5288,
104.5894

■ 42.3810, 53.8547,
102.7690

■ 60.1396, 71.8957,
105.3153

■ 40.0574, 50.6209,
102.2673

■ 67.1020, 77.8956,
106.1065

■ 38.3215, 47.7628,
101.8071

■ 75.2050, 84.5607,
106.9659

■ 38.3210, 47.7620,
101.8070

■ 84.5046, 91.9204,
107.8963

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.



45.7534, 61.7577, 81.2963



49.3859, 61.7577, 103.9253



55.7173, 61.7577, 117.7138

Triad

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



49.3859, 61.7577, 103.9253



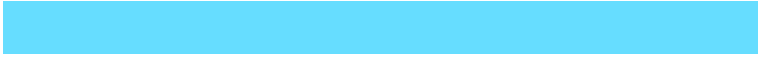
74.3716, 61.7577, 76.3109



54.2181, 61.7577, 34.5269

Complementary

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



49.3859, 61.7577, 103.9253



52.4434, 39.8289, 17.4960

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.



61.7849, 61.7577, 33.7619



49.3859, 61.7577, 103.9253



73.8813, 61.7577, 54.9115

Square

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



49.3859, 61.7577, 103.9253



70.4011, 61.7577, 99.5971



69.1146, 61.7577, 40.4026



48.3710, 61.7577, 42.7863

Rectangle

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



49.3859, 61.7577, 103.9253



60.8168, 61.7577, 118.4051



69.1146, 61.7577, 40.4026



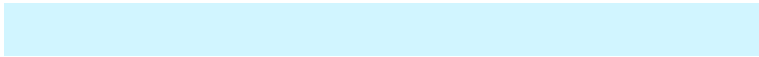
56.6307, 61.7577, 33.4627

Sweetspot

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



49.3877, 61.7599, 103.9256



76.9649, 85.9741, 107.1459



45.6245, 76.0989, 35.2631



15.9282, 17.9632, 22.8777



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.



49.3877, 61.7599, 103.9256



44.7757, 56.7703, 103.2056



33.7101, 30.4048, 98.6997



18.1923, 19.7563, 23.1045



20.1398, 25.1892, 53.2351



2.0412, 2.6131, 5.2101

Inverse Universe

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



59.0437, 35.9848, 72.2428



55.6822, 30.6829, 66.7413



67.0952, 69.1327, 22.3799



18.6097, 18.2272, 21.8280



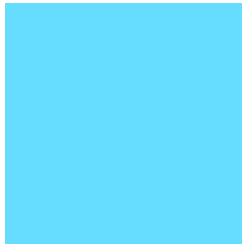
26.9538, 13.2708, 29.4710



2.6649, 1.3083, 3.0829

Previews

White Background



This preview shows how the XYZ color 49.3859, 61.7577, 103.9253 looks on a white background.

Color Contrast Check

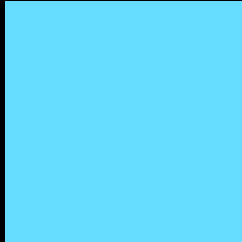
Large Text (above 18pt) WCAG AA × Fail

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 49.3859, 61.7577, 103.9253 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 49.3859, 61.7577, 103.9253

Background



This preview shows how black text looks on a background with the XYZ color 49.3859, 61.7577, 103.9253.

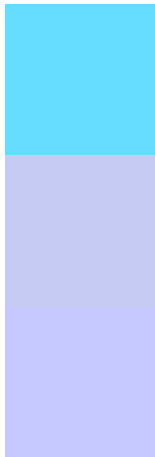


This preview shows how white text looks on a background with the XYZ color 49.3859, 61.7577,

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

49.3859, 61.7577, 103.9253

Protanopia

60.5596, 61.0533, 93.3866

Deuteranopia

61.9626, 60.8636, 103.0898



Tritanopia

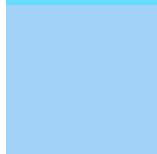
47.0887, 61.6130, 92.6298

Trichromacy



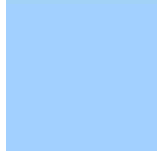
Original Color

49.3859, 61.7577, 103.9253



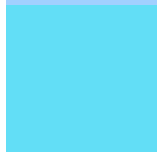
Protanomaly

54.7354, 60.4900, 96.7866



Deuteranomaly

55.5062, 60.0131, 103.2659



Tritanomaly

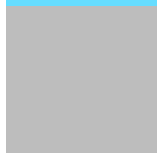
47.7928, 61.4930, 96.5392

Monochromacy



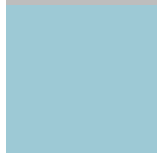
Original Color

49.3859, 61.7577, 103.9253



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.8015, 53.7455, 70.8580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3859, 61.7577, 103.9253 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, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 221, 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, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3859, 61.7577, 103.9253 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, 221, 255) }
```


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

```
.border{ border-color:rgb(102, 221, 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, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3859, 61.7577, 103.9253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 221, 255) }
```

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

```
.background{ background-color: rgb(102,  
221, 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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