

Converting Colors

XYZ(52.3301, 62.9202,
118.8499)

Have a look what the booklet for
XYZ(52.3301, 62.9202, 118.8499)
contains.

XYZ(49.5000, 61.8165, 103.9306)	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(49.5000, 61.8165,
103.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	67DDFF
RGB	103, 221, 255
RGB Percent	40%, 87%, 100%
CMY	0.5960, 0.1333, 0.0000
CMYK	0.60, 0.13, 0.00, 0.00
HSL	193°, 100%, 70%
HSV	193°, 60%, 100%
XYZ	49.5000, 61.8165, 103.9306
YIQ	189.5940, -81.2420, -14.4420

Conversions

Conversions Part 2

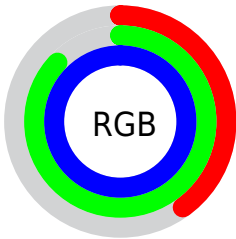
Format	Color
RYB	103, 169, 255
Decimal	6807039
CIELab	82.82, -23.65, -26.55
CIELCh	83, 35.557, 228.302
Yxy	61.8165, 0.2300, 0.2872
Android (android.graphics.Color)	4284997119 (0xFF67DDFF)
YUV	189.5940, 32.2452, -75.9429
Hunter-Lab	78.6235, -25.2105, -23.3377

Details

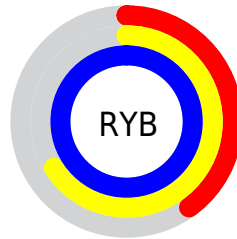
The XYZ color **49.5000, 61.8165, 103.9306** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.6349, 40.1321, 17.8062**, and the grayscale version is **48.5663, 51.0955, 55.6430**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **24.0429, 31.4598, 58.2312** is the 20% darker color. If you saturate the color by 10%, you get **45.5285, 57.5726, 103.3208**, and if you desaturate by 10%, it is **54.4177, 66.6267, 104.5999**.

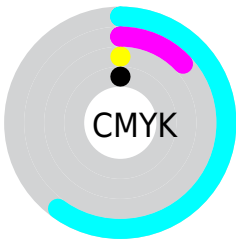
Distribution



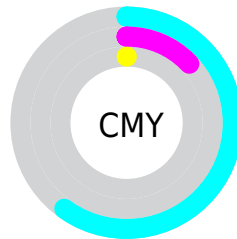
- Red (40%)
- Green (87%)
- Blue (100%)



- 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 49.5000, 61.8165, 103.9306 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 49.5000, 61.8165, 103.9306 by changing the saturation by 10% instead.

49.5000, 61.8165,
103.9306

49.5000, 61.8165,
103.9306

375.1918,
431.2614, 594.0763

35.2324, 44.8844,
78.9521

88.6299, 107.4603,
168.6471

24.0093, 31.3664,
58.3353

114.2229,
136.9408, 209.2222

15.4653, 20.8780,
41.6618

144.3218,
171.3729, 255.8333

9.2350, 13.0349,
28.5130

179.2919,
211.1410, 308.8988

4.9531, 7.4526,
18.4703

219.4986,
256.6295, 368.8373

2.2543, 3.7467,
11.1152

265.3073,

0.7711, 1.5329,

308.2229, 436.0674

6.0293

317.0832,
366.3054, 511.0075

■ 0.0000, 0.3117,
2.7938

■ 0.0000, 0.0000,
0.9903

■ 49.5000, 61.8165,
103.9306

■ 49.5000, 61.8165,
103.9306

■ 45.5285, 57.5726,
103.3208

■ 54.4177, 66.6267,
104.5999

■ 42.4135, 53.8442,
102.7653

■ 60.3503, 72.0355,
105.3312

■ 40.0564, 50.5809,
102.2596

■ 67.3659, 78.0801,
106.1281

■ 38.2998, 47.7009,
101.7963

■ 75.5250, 84.7922,
106.9937

■ 38.2356, 47.5913,
101.7785

■ 84.8836, 92.2016,
107.9306

95.0500, 100.0000,
108.9000

Harmonies

Analogous

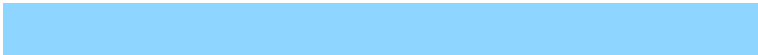
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8625, 61.8165, 81.4271



49.5000, 61.8165, 103.9306



55.8215, 61.8165, 117.5814

Triad

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



49.5000, 61.8165, 103.9306



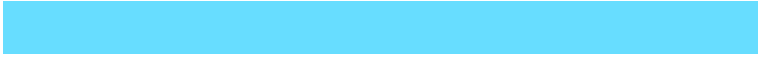
74.3736, 61.8165, 76.2188



54.2541, 61.8165, 34.7021

Complementary

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



49.5000, 61.8165, 103.9306



52.6349, 40.1321, 17.8062

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.



61.7890, 61.8165, 33.9005



49.5000, 61.8165, 103.9306



73.8614, 61.8165, 54.9227

Square

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



49.5000, 61.8165, 103.9306



70.4405, 61.8165, 99.4122



69.0966, 61.8165, 40.4910



48.4386, 61.8165, 42.9866

Rectangle

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



49.5000, 61.8165, 103.9306



60.9050, 61.8165, 118.2117



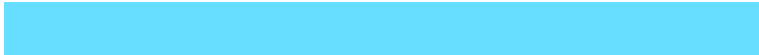
69.0966, 61.8165, 40.4910



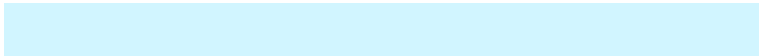
56.6557, 61.8165, 33.6267

Sweetspot

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



49.5018, 61.8187, 103.9309



76.9446, 85.9335, 107.1392



45.7941, 76.1799, 35.5607



15.9232, 17.9532, 22.8760



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.



49.5018, 61.8187, 103.9309



44.7077, 56.6342, 103.1829



33.9345, 30.6842, 98.7418



18.1900, 19.7516, 23.1037



20.0957, 25.1009, 53.2204



2.0373, 2.6052, 5.2088

Inverse Universe

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



59.1426, 36.1827, 72.2757



55.6479, 30.6692, 66.5605



67.2160, 69.2942, 22.6665



18.6085, 18.2267, 21.8217



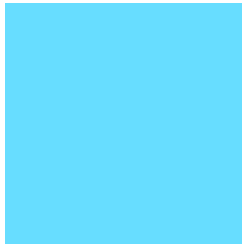
26.9316, 13.2619, 29.3537



2.6629, 1.3075, 3.0724

Previews

White Background



This preview shows how the XYZ color 49.5000, 61.8165, 103.9306 looks on a white background.

Color Contrast Check

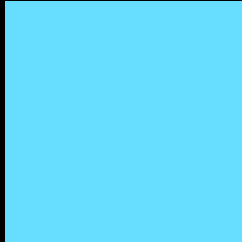
Large Text (above 18pt) WCAG AA × Fail

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 49.5000, 61.8165, 103.9306 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

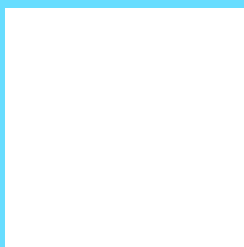
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5000, 61.8165, 103.9306

Background



This preview shows how black text looks on a background with the XYZ color 49.5000, 61.8165, 103.9306.

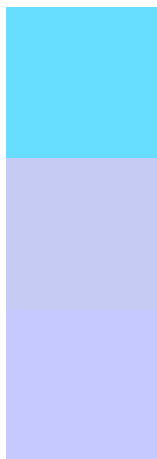


This preview shows how white text looks on a background with the XYZ color 49.5000, 61.8165,

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

49.5000, 61.8165, 103.9306

Protanopia

60.5596, 61.0533, 93.3866

Deuteranopia

61.9626, 60.8636, 103.0898



Tritanopia

47.1946, 61.6676, 92.6347

Trichromacy



Original Color

49.5000, 61.8165, 103.9306

Protanomaly

54.9394, 60.5951, 96.7961

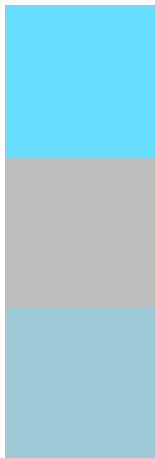
Deuteranomaly

55.7101, 60.1183, 103.2755

Tritanomaly

47.9014, 61.5490, 96.5443

Monochromacy



Original Color

49.5000, 61.8165, 103.9306

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.1248, 53.8974, 71.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5000, 61.8165, 103.9306 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(103, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5000, 61.8165, 103.9306 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(103, 221, 255) }
```


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

```
.border{ border-color:rgb(103, 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(103, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5000, 61.8165, 103.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 221, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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