

Converting Colors

XYZ(49.7384, 61.6632, 85.0545)

Have a look what the booklet for
XYZ(49.7384, 61.6632, 85.0545)
contains.

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Color

**XYZ(49.5868, 61.5009,
84.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	86DBE7
RGB	134, 219, 231
RGB Percent	53%, 86%, 91%
CMY	0.4745, 0.1412, 0.0941
CMYK	0.42, 0.05, 0.00, 0.09
HSL	187°, 67%, 72%
HSV	187°, 42%, 91%
XYZ	49.5868, 61.5009, 84.8587
YIQ	194.9530, -54.5120, -14.2880

Conversions

Conversions Part 2

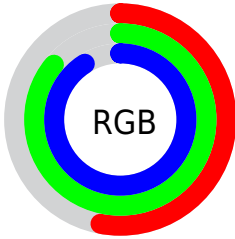
Format	Color
RYB	134, 179, 231
Decimal	8838119
CIELab	82.65, -22.69, -13.97
CIELCh	83, 26.648, 211.621
Yxy	61.5009, 0.2531, 0.3139
Android (android.graphics.Color)	4287028199 (0xFF86DBE7)
YUV	194.9530, 17.7712, -53.4558
Hunter-Lab	78.4225, -24.3733, -9.2602

Details

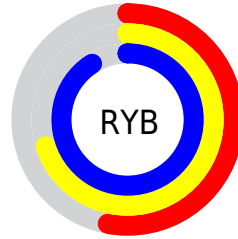
The XYZ color **49.5868, 61.5009, 84.8587** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.5379, 39.2688, 27.6298**, and the grayscale version is **51.7661, 54.4620, 59.3091**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.0739, 31.2238, 45.3154** is the 20% darker color. If you saturate the color by 10%, you get **45.5609, 58.3297, 84.4599**, and if you desaturate by 10%, it is **54.4333, 65.1170, 85.3023**.

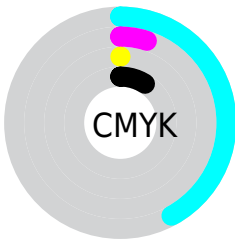
Distribution



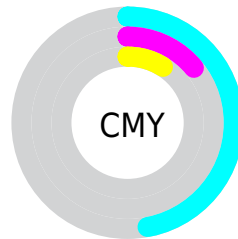
- Red (53%)
- Green (86%)
- Blue (91%)



- Red (53%)
- Yellow (70%)
- Blue (91%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)





- Cyan (47%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5868, 61.5009, 84.8587 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 49.5868, 61.5009, 84.8587 by changing the saturation by 10% instead.


 49.5868, 61.5009,
84.8587


 49.5868, 61.5009,
84.8587


375.5266,
430.1082, 531.2928

 35.3016, 44.6295,
63.1752


 88.7578, 107.0039,
142.0482

 24.0629, 31.1657,
45.5410


 114.3745,
136.4043, 178.3911

 15.5053, 20.7251,
31.5377


 144.4989,
170.7498, 220.4577

 9.2634, 12.9232,
20.7468

179.4966,
210.4248, 268.6663

 4.9719, 7.3757,
12.7496

219.7329,
255.8138, 323.4356

 2.2654, 3.6981,
7.1276

265.5730,

 0.7768, 1.5062,

307.3011, 385.1841

3.4624

317.3825,
365.2711, 454.3303

■ 0.0000, 0.2931,
1.3353

■ 0.0000, 0.0000,
0.0905

■ 49.5868, 61.5009,
84.8587

■ 49.5868, 61.5009,
84.8587

■ 45.5609, 58.3297,
84.4599

■ 54.4333, 65.1170,
85.3023

■ 42.2970, 55.5689,
84.0990

■ 60.1431, 69.1957,
85.7886

■ 39.7378, 53.1901,
83.7747

■ 66.7624, 73.7625,
86.3212

■ 37.8150, 51.1582,
83.4839

■ 74.3325, 78.8387,
86.9021

■ 36.4468, 49.4307,
83.2226

■ 82.8922, 84.4444,
87.5329

■ 35.6453, 48.2122,
83.0296

■ 85.7019, 87.1054,
87.8985

■ 86.5319, 88.7654,
88.1751

■ 87.3751, 90.4517,
88.4562

■ 88.2315, 92.1647,
88.7417

Harmonies

Analogous

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



48.1429, 61.5009, 67.8581



49.5868, 61.5009, 84.8587



53.3851, 61.5009, 98.6489

Triad

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



49.5868, 61.5009, 84.8587



68.6670, 61.5009, 83.0660



58.1445, 61.5009, 40.1719

Complementary

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



49.5868, 61.5009, 84.8587



47.5379, 39.2688, 27.6298

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.



63.8356, 61.5009, 42.9137



49.5868, 61.5009, 84.8587



70.1430, 61.5009, 66.0778

Square

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



49.5868, 61.5009, 84.8587



64.4082, 61.5009, 97.5009



68.3216, 61.5009, 51.7804



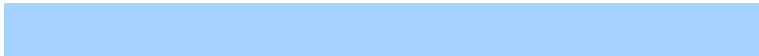
52.8800, 61.5009, 43.5788

Rectangle

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



49.5868, 61.5009, 84.8587



56.8678, 61.5009, 103.1789



68.3216, 61.5009, 51.7804



60.0710, 61.5009, 40.4024

Sweetspot

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



49.5887, 61.5033, 84.8601



82.5941, 91.6576, 107.9463



43.5440, 64.2755, 37.0291



17.2695, 19.3387, 23.0725



0.0000, 0.0000, 0.0000



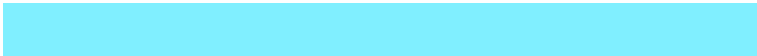
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5887, 61.5033, 84.8601



57.8108, 73.6380, 105.7743



38.8543, 40.0345, 81.2820



14.6473, 16.0161, 18.4637



20.0455, 27.1530, 46.5677



1.5242, 2.0924, 3.4555

Inverse Universe

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



54.2678, 39.1551, 71.7179



64.5080, 42.8138, 86.7032



56.5104, 57.2136, 30.6206



14.9143, 14.5829, 17.7493



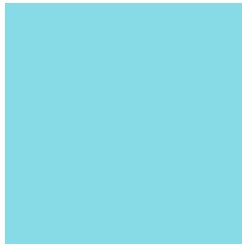
24.5115, 11.9388, 32.6524



1.8330, 0.8909, 2.5270

Previews

White Background



This preview shows how the XYZ color 49.5868, 61.5009, 84.8587 looks on a white background.

Color Contrast Check

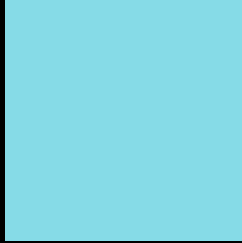
Large Text (above 18pt) WCAG AA × Fail

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 49.5868, 61.5009, 84.8587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

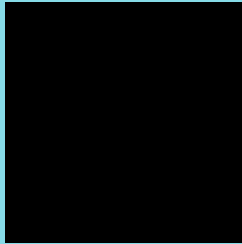
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5868, 61.5009, 84.8587

Background



This preview shows how black text looks on a background with the XYZ color 49.5868, 61.5009, 84.8587.

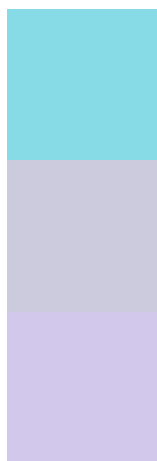


This preview shows how white text looks on a background with the XYZ color 49.5868, 61.5009,

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

49.5868, 61.5009, 84.8587

Protanopia

59.3089, 60.7697, 77.0104

Deuteranopia

62.2280, 61.0083, 87.0933



Tritanopia

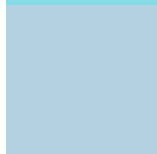
50.2034, 61.3498, 88.5526

Trichromacy



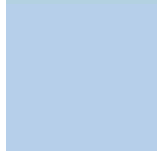
Original Color

49.5868, 61.5009, 84.8587



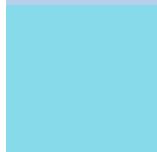
Protanomaly

54.9815, 60.6209, 80.0373



Deuteranomaly

56.4555, 60.5112, 86.5462



Tritanomaly

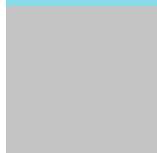
49.9144, 61.2342, 87.0305

Monochromacy



Original Color

49.5868, 61.5009, 84.8587



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.2116, 56.6240, 67.9576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5868, 61.5009, 84.8587 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(134, 219, 231)` looks like.

```
.text, #text, p{  
    color:rgb(134, 219, 231)  
}
```

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(134, 219, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 219, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.5868, 61.5009, 84.8587 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(134, 219, 231) }
```


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

```
.border{ border-color:rgb(134, 219, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 219, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 219, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 219, 231);  
box-shadow:4px 4px 4px 4px rgb(134, 219,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5868, 61.5009, 84.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 219, 231) }
```

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

```
.background{ background-color: rgb(134,  
219, 231) }
```

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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