

Converting Colors

XYZ(49.4990, 60.8071, 89.8371)

Have a look what the booklet for
XYZ(49.4990, 60.8071, 89.8371)
contains.

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Color

**XYZ(49.7099, 61.0617,
90.0550)**

Conversions

Conversions Part 1

Format	Color
Hex	82DAEE
RGB	130, 218, 238
RGB Percent	51%, 85%, 93%
CMY	0.4902, 0.1451, 0.0667
CMYK	0.45, 0.08, 0.00, 0.07
HSL	191°, 76%, 72%
HSV	191°, 45%, 93%
XYZ	49.7099, 61.0617, 90.0550
YIQ	193.9680, -58.8680, -12.4360

Conversions

Conversions Part 2

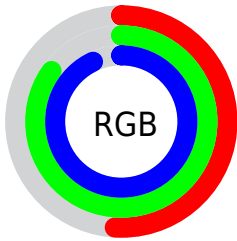
Format	Color
RYB	130, 178, 238
Decimal	8575726
CIELab	82.41, -21.34, -18.06
CIELCh	82, 27.959, 220.235
Yxy	61.0617, 0.2475, 0.3041
Android (android.graphics.Color)	4286765806 (0xFF82DAEE)
YUV	193.9680, 21.7078, -56.0999
Hunter-Lab	78.1420, -23.1960, -13.6296

Details

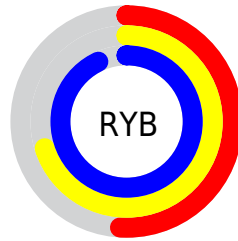
The XYZ color **49.7099, 61.0617, 90.0550** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50.1966, 41.6026, 26.5051**, and the grayscale version is **51.1615, 53.8258, 58.6163**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **24.1392, 30.9114, 48.9502** is the 20% darker color. If you saturate the color by 10%, you get **45.3456, 57.1391, 89.5290**, and if you desaturate by 10%, it is **54.9526, 65.4850, 90.6336**.

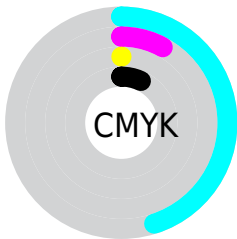
Distribution



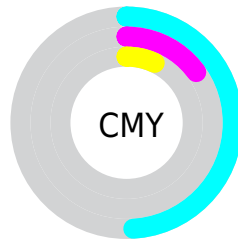
- Red (51%)
- Green (85%)
- Blue (93%)



- Red (51%)
- Yellow (70%)
- Blue (93%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (49%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7099, 61.0617, 90.0550 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 49.7099, 61.0617, 90.0550 by changing the saturation by 10% instead.


 49.7099, 61.0617,
90.0550


 49.7099, 61.0617,
90.0550


376.0012,
428.5002, 548.7845


 35.3998, 44.2750,
67.4523


 88.9393, 106.3683,
149.3510

 24.1390, 30.8867,
48.9884


 114.5893,
135.6569, 186.8813

 15.5620, 20.5126,
34.2447


 144.7500,
169.8816, 230.2246

 9.3036, 12.7682,
22.8028

179.7867,
209.4268, 279.7994

 4.9985, 7.2691,
14.2440

220.0649,
254.6768, 336.0243

 2.2811, 3.6310,
8.1499

265.9497,

 0.7850, 1.4694,

306.0162, 399.3177

4.1019

317.8067,
363.8292, 470.0983

■ 0.0000, 0.2670,
1.6814

■ 0.0000, 0.0000,
0.3479

■ 49.7099, 61.0617,
90.0550

■ 49.7099, 61.0617,
90.0550

■ 45.3456, 57.1391,
89.5290

■ 54.9526, 65.4850,
90.6336

■ 41.7948, 53.6792,
89.0483


■ 61.1216, 70.4300,
91.2629


■ 38.9924, 50.6496,
88.6112


■ 68.2681, 75.9246,
91.9468

■ 36.8607, 48.0098,
88.2140

■ 76.4377, 81.9928,
92.6875


 35.3037, 45.7100,
87.8522


 85.6731, 88.6569,
93.4870

 34.7093, 44.7260,
87.6936

 89.1579, 92.4032,
94.0265

 90.5031, 95.0937,
94.4749

 91.8803, 97.8480,
94.9339

 92.4328, 98.9531,
95.1181

Harmonies

Analogous

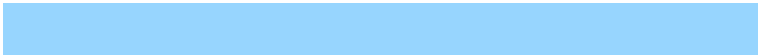
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4605, 61.0617, 72.4985



49.7099, 61.0617, 90.0550



54.2424, 61.0617, 102.4607

Triad

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



49.7099, 61.0617, 90.0550



69.5211, 61.0617, 78.2308



56.0219, 61.0617, 39.1035

Complementary

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



49.7099, 61.0617, 90.0550



50.1966, 41.6026, 26.5051

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.



62.0052, 61.0617, 40.1039



49.7099, 61.0617, 90.0550



70.0791, 61.0617, 60.8151

Square

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



49.7099, 61.0617, 90.0550



65.7701, 61.0617, 94.8648



67.2464, 61.0617, 47.4358



50.9357, 61.0617, 44.4193

Rectangle

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



49.7099, 61.0617, 90.0550



58.0844, 61.0617, 105.0653



67.2464, 61.0617, 47.4358



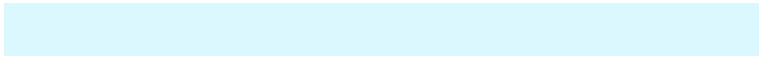
57.9902, 61.0617, 38.7377

Sweetspot

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



49.7118, 61.0640, 90.0564



81.0410, 89.7012, 107.6505



45.2708, 68.0917, 39.5284



16.9300, 18.8858, 23.0030



0.0000, 0.0000, 0.0000



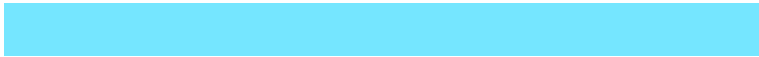
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7118, 61.0640, 90.0564



53.5850, 67.3397, 104.7814



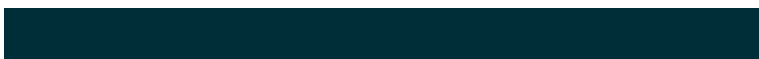
37.9513, 37.5431, 86.1363



15.9840, 17.4022, 20.2381



19.4530, 25.1302, 48.9532



1.6820, 2.2181, 4.0937

Inverse Universe

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



55.8990, 39.2060, 70.9535



61.8494, 39.7378, 78.9073



60.8358, 62.8810, 30.0515



16.3214, 15.9783, 19.2486



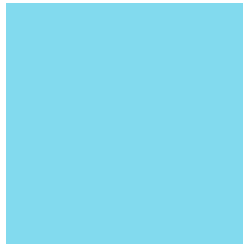
25.1446, 12.3303, 29.7416



2.1240, 1.0386, 2.6436

Previews

White Background



This preview shows how the XYZ color 49.7099, 61.0617, 90.0550 looks on a white background.

Color Contrast Check

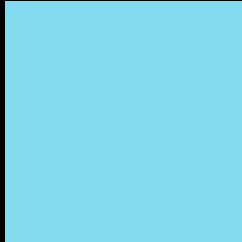
Large Text (above 18pt) WCAG AA × Fail

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 49.7099, 61.0617, 90.0550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

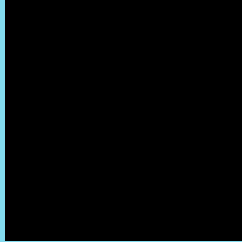
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7099, 61.0617, 90.0550

Background



This preview shows how black text looks on a background with the XYZ color 49.7099, 61.0617, 90.0550.



This preview shows how white text looks on a background with the XYZ color 49.7099, 61.0617,

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

49.7099, 61.0617, 90.0550

Protanopia

59.4469, 60.7308, 81.9878

Deuteranopia

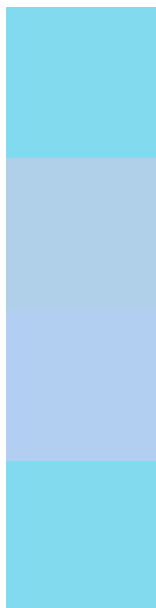
61.6273, 60.2368, 92.3832



Tritanopia

49.2650, 60.8661, 88.5087

Trichromacy



Original Color

49.7099, 61.0617, 90.0550

Protanomaly

54.8006, 60.0519, 85.0468

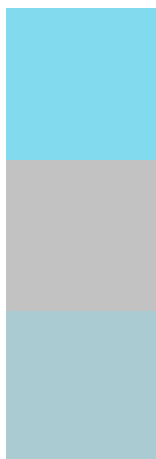
Deuteranomaly

56.3086, 59.9585, 91.8244

Tritanomaly

49.4107, 60.9244, 89.2761

Monochromacy



Original Color

49.7099, 61.0617, 90.0550

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.7834, 56.0229, 69.1624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7099, 61.0617, 90.0550 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(130, 218, 238)` looks like.

```
.text, #text, p{  
    color:rgb(130, 218, 238)  
}
```

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(130, 218, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 218, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.7099, 61.0617, 90.0550 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(130, 218, 238) }
```


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

```
.border{ border-color:rgb(130, 218, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 218, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 218, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 218, 238);  
box-shadow:4px 4px 4px 4px rgb(130, 218,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7099, 61.0617, 90.0550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 218, 238) }
```

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

```
.background{ background-color: rgb(130,  
218, 238) }
```

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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