

Converting Colors

XYZ(49.7756, 65.1276, 87.6194)

Have a look what the booklet for
XYZ(49.7756, 65.1276, 87.6194)
contains.

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Color

**XYZ(49.7971, 65.1403,
87.7907)**

Conversions

Conversions Part 1

Format	Color
Hex	74E4EA
RGB	116, 228, 234
RGB Percent	45%, 89%, 92%
CMY	0.5451, 0.1059, 0.0823
CMYK	0.50, 0.03, 0.00, 0.08
HSL	183°, 74%, 69%
HSV	183°, 50%, 92%
XYZ	49.7971, 65.1403, 87.7907
YIQ	195.1960, -68.6780, -21.8780

Conversions

Conversions Part 2

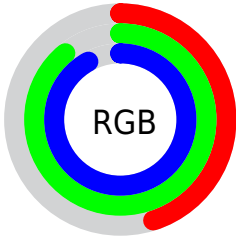
Format	Color
R _Y B	116, 173, 234
Decimal	7660778
CIE Lab	84.56, -30.35, -12.78
CIE LCh	85, 32.930, 202.829
Yxy	65.1403, 0.2456, 0.3213
Android (android.graphics.Color)	4285850858 (0xFF74E4EA)
YUV	195.1960, 19.1304, -69.4549
Hunter-Lab	80.7095, -31.1087, -7.9952

Details

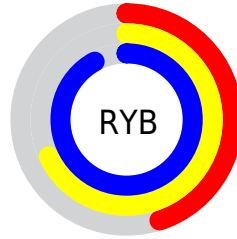
The XYZ color **49.7971, 65.1403, 87.7907** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.0448, 32.6736, 20.5098**, and the grayscale version is **51.9092, 54.6125, 59.4730**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **24.1038, 33.3975, 47.2954** is the 20% darker color. If you saturate the color by 10%, you get **46.7441, 63.0838, 87.5558**, and if you desaturate by 10%, it is **53.6396, 67.6101, 88.0661**.

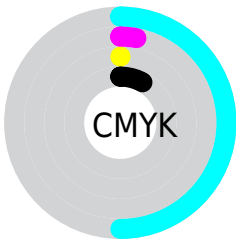
Distribution



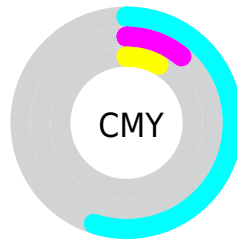
- Red (45%)
- Green (89%)
- Blue (92%)



- Red (45%)
- Yellow (68%)
- Blue (92%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)





- Cyan (55%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7971, 65.1403, 87.7907 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 49.7971, 65.1403, 87.7907 by changing the saturation by 10% instead.


 49.7971, 65.1403,
87.7907


 49.7971, 65.1403,
87.7907


376.3371,
443.2960, 541.2011


 35.4693, 47.5749,
65.5864


 89.0678, 112.2515,
146.1743

 24.1928, 33.4903,
47.4824


 114.7415,
142.5661, 183.1907

 15.6022, 22.5023,
33.0601


 144.9278,
177.8992, 225.9815

 9.3322, 14.2265,
21.9010

179.9922,
218.6352, 274.9653

 5.0173, 8.2783,
13.5865

220.2999,
265.1585, 330.5606

 2.2923, 4.2736,
7.6982

266.2164,

 0.7907, 1.8277,

317.8534, 393.1860

3.8175

318.1070,
377.1045, 463.2600

■ 0.0000, 0.5044,
1.5257

■ 0.0000, 0.0000,
0.2370

■ 49.7971, 65.1403,
87.7907

■ 49.7971, 65.1403,
87.7907

■ 46.7441, 63.0838,
87.5558

■ 53.6396, 67.6101,
88.0661

■ 44.4147, 61.4022,
87.3540

■ 58.3194, 70.5134,
88.3798


■ 42.7423, 60.0625,
87.1836


■ 63.8875, 73.8781,
88.7358


■ 41.6448, 59.0227,
87.0407


■ 70.3892, 77.7273,
89.1361


 41.0012, 58.2400,
86.9236

 77.8666, 82.0830,
89.5827

 85.8401, 86.6977,
90.0532

 86.1820, 87.3817,
90.1672

 86.5263, 88.0702,
90.2819

 86.8728, 88.7632,
90.3974

Harmonies

Analogous

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



48.9415, 65.1403, 66.0002



49.7971, 65.1403, 87.7907



53.7730, 65.1403, 108.2505

Triad

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



49.7971, 65.1403, 87.7907



73.8531, 65.1403, 98.2547



63.6923, 65.1403, 37.9100

Complementary

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



49.7971, 65.1403, 87.7907



44.0448, 32.6736, 20.5098

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.



70.8375, 65.1403, 43.3509



49.7971, 65.1403, 87.7907



76.9971, 65.1403, 76.0924

Square

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



49.7971, 65.1403, 87.7907



67.5519, 65.1403, 115.0770



75.8522, 65.1403, 56.3737



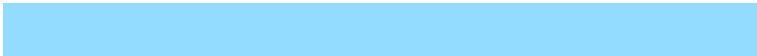
56.5987, 65.1403, 39.8179

Rectangle

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



49.7971, 65.1403, 87.7907



57.8405, 65.1403, 116.9712



75.8522, 65.1403, 56.3737



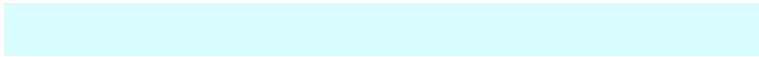
66.1742, 65.1403, 38.8967

Sweetspot

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



49.7991, 65.1428, 87.7922



81.7339, 92.2192, 108.1000



40.1334, 63.9627, 28.6123



17.1400, 19.5286, 23.1160



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.



49.7991, 65.1428, 87.7922



56.5342, 76.4766, 106.3895



36.2619, 38.0684, 83.2798



15.4483, 16.9830, 19.3861



23.0691, 32.7851, 48.8553



1.8317, 2.6148, 3.8430

Inverse Universe

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



54.1823, 35.5863, 77.4146



62.5475, 36.9903, 91.9144



53.5891, 51.7621, 23.6912



15.6798, 15.2998, 18.8652



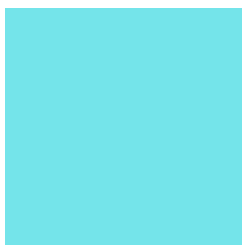
26.4995, 12.8025, 40.0272



2.0910, 1.0094, 3.1967

Previews

White Background



This preview shows how the XYZ color 49.7971, 65.1403, 87.7907 looks on a white background.

Color Contrast Check

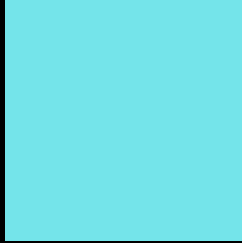
Large Text (above 18pt) WCAG AA × Fail

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 49.7971, 65.1403, 87.7907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

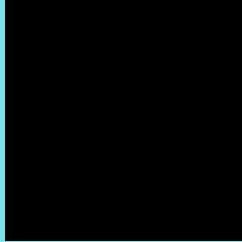
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7971, 65.1403, 87.7907

Background



This preview shows how black text looks on a background with the XYZ color 49.7971, 65.1403, 87.7907.

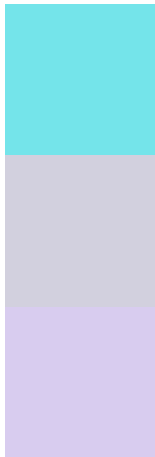


This preview shows how white text looks on a background with the XYZ color 49.7971, 65.1403,

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

49.7971, 65.1403, 87.7907

Protanopia

62.3190, 64.0873, 78.1928

Deuteranopia

65.4918, 64.0167, 90.5660



Tritanopia

51.4235, 64.9784, 96.2180

Trichromacy



Original Color

49.7971, 65.1403, 87.7907

Protanomaly

55.9324, 63.3220, 81.2259

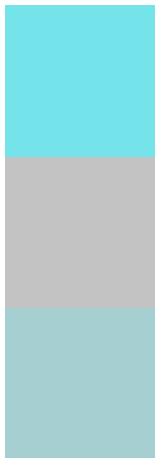
Deuteranomaly

57.9027, 63.4062, 89.3076

Tritanomaly

50.9540, 65.2110, 93.1205

Monochromacy



Original Color

49.7971, 65.1403, 87.7907

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.5473, 57.3361, 68.7771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7971, 65.1403, 87.7907 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(116, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(116, 228, 234)  
}
```

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(116, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 228, 234) }
```

Border

The CSS property to change the border of an element to XYZ 49.7971, 65.1403, 87.7907 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(116, 228, 234) }
```


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

```
.border{ border-color:rgb(116, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(116, 228,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7971, 65.1403, 87.7907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 228, 234) }
```

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

```
.background{ background-color: rgb(116,  
228, 234) }
```

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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