

Converting Colors

XYZ(49.6023, 61.3774, 86.8307)

Have a look what the booklet for
XYZ(49.6023, 61.3774, 86.8307)
contains.

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Color

**XYZ(49.6985, 61.5091,
87.0950)**

Conversions

Conversions Part 1

Format	Color
Hex	84DBEA
RGB	132, 219, 234
RGB Percent	52%, 86%, 92%
CMY	0.4823, 0.1412, 0.0823
CMYK	0.44, 0.06, 0.00, 0.08
HSL	189°, 71%, 72%
HSV	189°, 44%, 92%
XYZ	49.6985, 61.5091, 87.0950
YIQ	194.6970, -56.6670, -13.7790

Conversions

Conversions Part 2

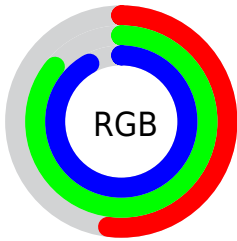
Format	Color
R _{YB}	132, 179, 234
Decimal	8707050
CIE _{Lab}	82.65, -22.41, -15.57
CIE _{LCh}	83, 27.285, 214.786
Yxy	61.5091, 0.2506, 0.3102
Android (android.graphics.Color)	4286897130 (0xFF84DBEA)
YUV	194.6970, 19.3764, -54.9853
Hunter-Lab	78.4277, -24.1357, -10.9429

Details

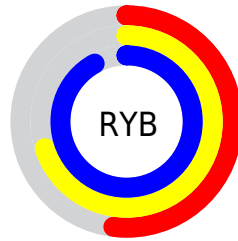
The XYZ color **49.6985, 61.5091, 87.0950** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.5313, 40.0268, 26.9994**, and the grayscale version is **51.6057, 54.2932, 59.1253**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.1354, 31.2211, 46.8737** is the 20% darker color. If you saturate the color by 10%, you get **45.5536, 58.0549, 86.6478**, and if you desaturate by 10%, it is **54.6863, 65.4283, 87.5897**.

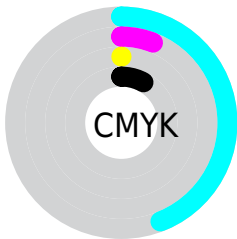
Distribution



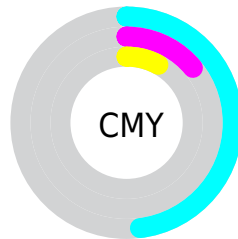
- Red (52%)
- Green (86%)
- Blue (92%)



- Red (52%)
- Yellow (70%)
- Blue (92%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)




- Cyan (48%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6985, 61.5091, 87.0950 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 49.6985, 61.5091, 87.0950 by changing the saturation by 10% instead.


 49.6985, 61.5091,
87.0950


 49.6985, 61.5091,
87.0950


375.9572,
430.1382, 538.8593


 35.3907, 44.6362,
65.0138


 88.9225, 107.0157,
145.1966

 24.1319, 31.1709,
47.0208


 114.5694,
136.4182, 182.0540

 15.5568, 20.7290,
32.6976

 144.7268,
170.7660, 224.6739

 9.2999, 12.9261,
21.6257

179.7599,
210.4435, 273.4748

 4.9960, 7.3777,
13.3865

220.0341,
255.8350, 328.8752

 2.2796, 3.6994,
7.5613

265.9149,

 0.7842, 1.5069,

307.3251, 391.2938

3.7319

317.7674,
365.2980, 461.1490

■ 0.0000, 0.2936,
1.4794

■ 0.0000, 0.0000,
0.2025

■ 49.6985, 61.5091,
87.0950

■ 49.6985, 61.5091,
87.0950

■ 45.5536, 58.0549,
86.6478

■ 54.6863, 65.4283,
87.5897

■ 42.1904, 55.0296,
86.2411

■ 60.5619, 69.8314,
88.1299

■ 39.5482, 52.4032,
85.8734

■ 67.3737, 74.7450,
88.7193

■ 37.5547, 50.1383,
85.5413

■ 75.1647, 80.1914,
89.3599

■ 36.1222, 48.1894,
85.2407

■ 83.9755, 86.1918,
90.0537

■ 35.4118, 47.0613,
85.0604

■ 87.1482, 89.3139,
90.4891

■ 88.1688, 91.3552,
90.8293

■ 89.2087, 93.4350,
91.1760

■ 90.2680, 95.5536,
91.5291

Harmonies

Analogous

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



47.9498, 61.5091, 69.6985



49.6985, 61.5091, 87.0950



53.7984, 61.5091, 100.5689

Triad

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



49.6985, 61.5091, 87.0950



69.2467, 61.5091, 81.6623



57.5285, 61.5091, 39.7159

Complementary

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



49.6985, 61.5091, 87.0950



48.5313, 40.0268, 26.9994

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.



63.3888, 61.5091, 41.8408



49.6985, 61.5091, 87.0950



70.4095, 61.5091, 64.3194

Square

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



49.6985, 61.5091, 87.0950



65.1210, 61.5091, 97.0834



68.2007, 61.5091, 50.2166



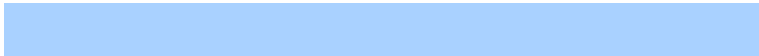
52.2742, 61.5091, 43.8371

Rectangle

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



49.6985, 61.5091, 87.0950



57.4459, 61.5091, 104.4701



68.2007, 61.5091, 50.2166



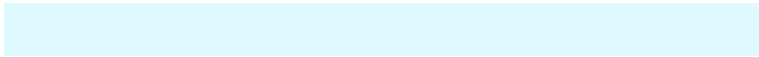
59.4911, 61.5091, 39.7307

Sweetspot

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



49.7004, 61.5115, 87.0964



82.3529, 91.1752, 107.8659



44.0972, 65.8154, 37.4123



17.2094, 19.2184, 23.0524



0.0000, 0.0000, 0.0000



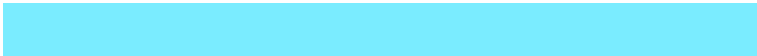
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7004, 61.5115, 87.0964



55.9852, 71.0916, 105.3791



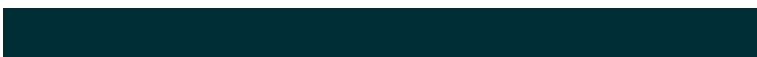
38.6310, 39.3727, 83.4066



15.3180, 16.7224, 19.3427



19.9721, 26.5911, 47.8229



1.6197, 2.1909, 3.7724

Inverse Universe

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



54.9707, 39.1110, 71.6724



63.3169, 41.3047, 83.6138



57.9734, 58.9109, 30.1467



15.6141, 15.2735, 18.5189



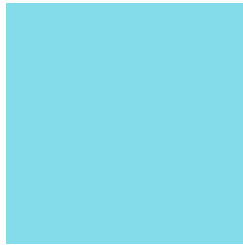
24.9363, 12.1772, 31.7954



1.9841, 0.9666, 2.6334

Previews

White Background



This preview shows how the XYZ color 49.6985, 61.5091, 87.0950 looks on a white background.

Color Contrast Check

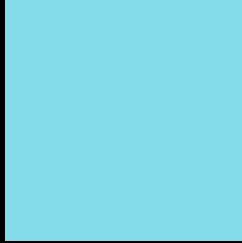
Large Text (above 18pt) WCAG AA × Fail

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 49.6985, 61.5091, 87.0950 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 49.6985, 61.5091, 87.0950

Background



This preview shows how black text looks on a background with the XYZ color 49.6985, 61.5091, 87.0950.

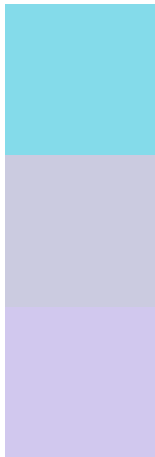


This preview shows how white text looks on a background with the XYZ color 49.6985, 61.5091,

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

49.6985, 61.5091, 87.0950

Protanopia

59.4391, 60.7902, 79.1219

Deuteranopia

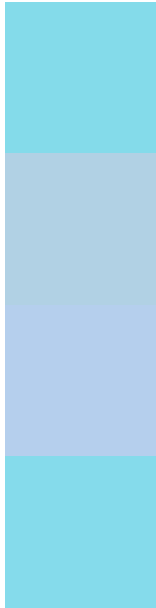
62.3814, 61.0369, 89.3824



Tritanopia

50.1447, 61.7057, 88.6244

Trichromacy



Original Color

49.6985, 61.5091, 87.0950

Protanomaly

54.9355, 60.5495, 82.1906

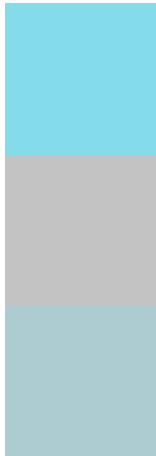
Deuteranomaly

56.6549, 60.5638, 88.8247

Tritanomaly

49.9998, 61.6477, 87.8612

Monochromacy



Original Color

49.6985, 61.5091, 87.0950

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.1147, 56.5598, 68.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6985, 61.5091, 87.0950 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(132, 219, 234)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 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(132, 219, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 234) }
```

Border

The CSS property to change the border of an element to XYZ 49.6985, 61.5091, 87.0950 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(132, 219, 234) }
```


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

```
.border{ border-color:rgb(132, 219, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 219, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 219, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 219, 234);  
box-shadow:4px 4px 4px 4px rgb(132, 219,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6985, 61.5091, 87.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 234) }
```

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

```
.background{ background-color: rgb(132,  
219, 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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