

Converting Colors

XYZ(49.3486, 60.1101, 89.8904)

Have a look what the booklet for
XYZ(49.3486, 60.1101, 89.8904)
contains.

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Color

**XYZ(49.3486, 60.1101,
89.8904)**

Conversions

Conversions Part 1

Format	Color
Hex	83D8EE
RGB	131, 216, 238
RGB Percent	51%, 85%, 93%
CMY	0.4863, 0.1529, 0.0667
CMYK	0.45, 0.09, 0.00, 0.07
HSL	192°, 76%, 72%
HSV	192°, 45%, 93%
XYZ	49.3486, 60.1101, 89.8904
YIQ	193.0930, -57.7220, -11.1780

Conversions

Conversions Part 2

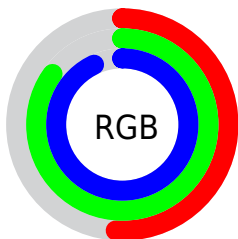
Format	Color
RYB	131, 178, 238
Decimal	8640750
CIELab	81.90, -20.11, -18.83
CIELCh	82, 27.548, 223.123
Yxy	60.1101, 0.2475, 0.3015
Android (android.graphics.Color)	4286830830 (0xFF83D8EE)
YUV	193.0930, 22.1392, -54.4556
Hunter-Lab	77.5307, -22.0628, -14.4703

Details

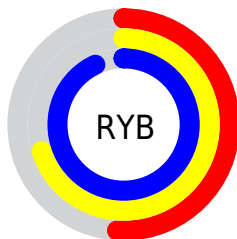
The XYZ color **49.3486, 60.1101, 89.8904** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7491, 42.5996, 27.0223**, and the grayscale version is **50.6432, 53.2805, 58.0225**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **23.9360, 30.2836, 48.8397** is the 20% darker color. If you saturate the color by 10%, you get **44.8426, 55.9551, 89.3270**, and if you desaturate by 10%, it is **54.7422, 64.7808, 90.5087**.

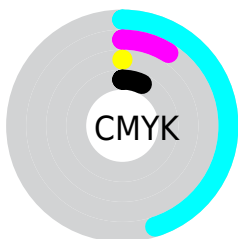
Distribution



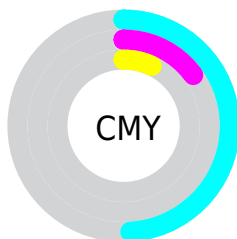
- Red (51%)
- Green (85%)
- Blue (93%)



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



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3486, 60.1101, 89.8904 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 49.3486, 60.1101, 89.8904 by changing the saturation by 10% instead.


 49.3486, 60.1101,
89.8904


 49.3486, 60.1101,
89.8904

374.6073,
425.0035, 548.2352


 35.1118, 43.5074,
67.3165


 88.4066, 104.9894,
149.1203

 23.9159, 30.2834,
48.8787


 113.9585,
134.0347, 186.6135

 15.3956, 20.0538,
34.1583


 144.0127,
167.9964, 229.9168

 9.1856, 12.4342,
22.7369

178.9347,
207.2588, 279.4489

 4.9205, 7.0401,
14.1959

219.0898,
252.2063, 335.6282

 2.2350, 3.4872,
8.1167

264.8434,

 0.7611, 1.3911,

303.2233, 398.8733

4.0809

316.5608,
360.6942, 469.6028

■ 0.0000, 0.2101,
1.6698

■ 0.0000, 0.0000,
0.3399

■ 49.3486, 60.1101,
89.8904

■ 49.3486, 60.1101,
89.8904

■ 44.8426, 55.9551,
89.3270

■ 54.7422, 64.7808,
90.5087

■ 41.1596, 52.2779,
88.8113


■ 61.0714, 69.9884,
91.1803


■ 38.2348, 49.0461,
88.3417


■ 68.3871, 75.7609,
91.9089


■ 35.9909, 46.2192,
87.9143


■ 76.7350, 82.1223,
92.6968


 34.3328, 43.7479,
87.5247

 86.1577, 89.0951,
93.5461

 33.6454, 42.5984,
87.3390

 89.4350, 92.9576,
94.1189

 90.9380, 95.9634,
94.6199

 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.



46.9135, 60.1101, 72.9985



49.3486, 60.1101, 89.8904



53.9454, 60.1101, 101.1548

Triad

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



49.3486, 60.1101, 89.8904



68.5235, 60.1101, 75.2012



54.6298, 60.1101, 38.9380

Complementary

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



49.3486, 60.1101, 89.8904



50.7491, 42.5996, 27.0223

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.



60.4434, 60.1101, 39.3236



49.3486, 60.1101, 89.8904



68.7379, 60.1101, 58.4401

Square

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



49.3486, 60.1101, 89.8904



65.1282, 60.1101, 91.7371



65.6954, 60.1101, 45.8969



49.8202, 60.1101, 44.7351

Rectangle

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



49.3486, 60.1101, 89.8904



57.7446, 60.1101, 102.9467



65.6954, 60.1101, 45.8969



56.5254, 60.1101, 38.3823

Sweetspot

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



49.3505, 60.1124, 89.8918



81.7524, 89.9743, 107.6657



45.6365, 68.2559, 40.6491



17.0598, 18.9193, 23.0026



0.0000, 0.0000, 0.0000



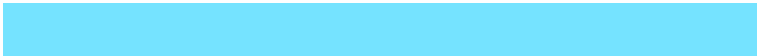
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3505, 60.1124, 89.8918



52.8108, 65.7913, 104.5233



37.9093, 37.2301, 86.0781



15.9554, 17.3448, 20.2286



18.8661, 23.9564, 48.7576



1.6382, 2.1303, 4.0791

Inverse Universe

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



55.7725, 39.3694, 69.6277



61.4586, 39.5815, 76.8495



61.4053, 63.9119, 30.5743



16.3069, 15.9725, 19.1724



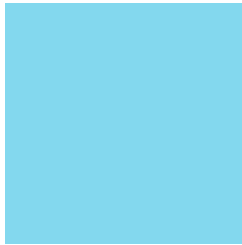
24.8483, 12.2118, 28.1817



2.1018, 1.0298, 2.5270

Previews

White Background



This preview shows how the XYZ color 49.3486, 60.1101, 89.8904 looks on a white background.

Color Contrast Check

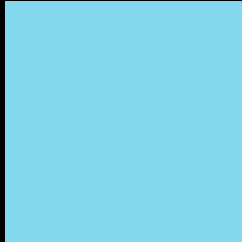
Large Text (above 18pt) WCAG AA × Fail

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 49.3486, 60.1101, 89.8904 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 49.3486, 60.1101, 89.8904

Background



This preview shows how black text looks on a background with the XYZ color 49.3486, 60.1101, 89.8904.



This preview shows how white text looks on a background with the XYZ color 49.3486, 60.1101,

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

49.3486, 60.1101, 89.8904

Protanopia

58.4434, 59.5168, 81.8064

Deuteranopia

60.8497, 59.4955, 92.2811



Tritanopia

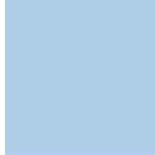
48.8701, 60.3120, 86.9076

Trichromacy



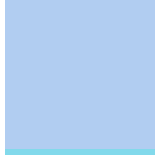
Original Color

49.3486, 60.1101, 89.8904



Protanomaly

54.0924, 58.9675, 84.8748



Deuteranomaly

55.8400, 59.3606, 91.7338



Tritanomaly

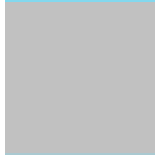
49.0142, 60.3697, 87.6665

Monochromacy



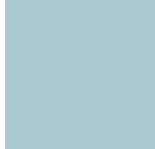
Original Color

49.3486, 60.1101, 89.8904



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.9728, 54.9228, 68.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3486, 60.1101, 89.8904 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(131, 216, 238)` looks like.

```
.text, #text, p{  
    color:rgb(131, 216, 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(131, 216, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 216, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.3486, 60.1101, 89.8904 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(131, 216, 238) }
```


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

```
.border{ border-color:rgb(131, 216, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 216, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 216, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 216, 238); box-shadow:4px 4px 4px 4px rgb(131, 216, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3486, 60.1101, 89.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 216, 238) }
```

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

```
.background{ background-color: rgb(131,  
216, 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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