

Converting Colors

XYZ(49.3426, 52.6821, 84.6593)

Have a look what the booklet for
XYZ(49.3426, 52.6821, 84.6593)
contains.

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Color

**XYZ(49.3273, 52.6999,
84.6631)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C3E9
RGB	163, 195, 233
RGB Percent	64%, 76%, 91%
CMY	0.3608, 0.2353, 0.0863
CMYK	0.30, 0.16, 0.00, 0.09
HSL	213°, 61%, 78%
HSV	213°, 30%, 91%
XYZ	49.3273, 52.6999, 84.6631
YIQ	189.7640, -31.2700, 5.0340

Conversions

Conversions Part 2

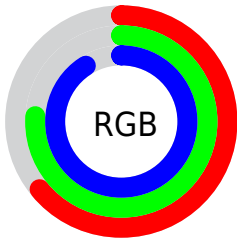
Format	Color
R_{YB}	163, 185, 233
Decimal	10732521
CIE _{Lab}	77.70, -2.06, -22.36
CIE _{LCh}	78, 22.458, 264.738
Yxy	52.6999, 0.2642, 0.2823
Android (android.graphics.Color)	4288922601 (0xFFA3C3E9)
YUV	189.7640, 21.3153, -23.4720
Hunter-Lab	72.5947, -5.7519, -18.3303

Details

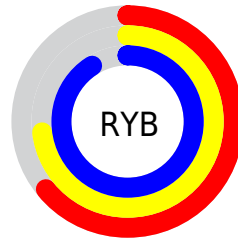
The XYZ color **49.3273, 52.6999, 84.6631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.1026, 61.7418, 43.3486**, and the grayscale version is **48.7033, 51.2397, 55.8000**.

A 20% lighter version of the original color is **81.7606, 91.2744, 107.9162**, and **23.7674, 25.4753, 45.2595** is the 20% darker color. If you saturate the color by 10%, you get **42.2742, 45.0347, 83.5562**, and if you desaturate by 10%, it is **57.5027, 61.3025, 85.8936**.

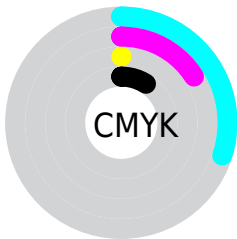
Distribution



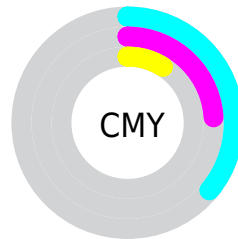
- Red (64%)
- Green (76%)
- Blue (91%)



- Red (64%)
- Yellow (73%)
- Blue (91%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (36%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3273, 52.6999, 84.6631 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 49.3273, 52.6999, 84.6631 by changing the saturation by 10% instead.

■ 49.3273, 52.6999,
84.6631

■ 49.3273, 52.6999,
84.6631

374.5250,
397.1327, 530.6281

■ 35.0948, 37.5633,
63.0145

■ 88.3752, 94.1626,
141.7724

■ 23.9028, 25.6439,
45.4119

■ 113.9212,
121.2575, 178.0701

■ 15.3858, 16.5574,
31.4367

143.9692,
153.1072, 220.0880

■ 9.1787, 9.9195,
20.6703

178.8845,
190.0962, 268.2445

■ 4.9160, 5.3456,
12.6943

219.0323,
232.6089, 322.9582

■ 2.2323, 2.4514,
7.0902

264.7781,

■ 0.7597, 0.8522,

281.0296, 384.6477

3.4393

316.4872,
335.7427, 453.7315

■ 0.0000, 0.0000,
1.3231

■ 0.0000, 0.0000,
0.0806

■ 49.3273, 52.6999,
84.6631

■ 49.3273, 52.6999,
84.6631

■ 42.2742, 45.0347,
83.5562

■ 57.5027, 61.3025,
85.8936

■ 36.2842, 38.2638,
82.5650

■ 66.8457, 70.8707,
87.2480

■ 31.2998, 32.3498,
81.6862

■ 77.4051, 81.4391,
88.7314

■ 27.2554, 27.2493,
80.9149

■ 88.7812, 92.8094,
90.3265

■ 24.0768, 22.9142,
80.2456

■ 91.7082, 98.6633,
91.3021

■ 21.6767, 19.2888,
79.6724

■ 19.9159, 16.2988,
79.1880

Harmonies

Analogous

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



45.4188, 52.6999, 79.2240



49.3273, 52.6999, 84.6631



53.6686, 52.6999, 81.9763

Triad

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



49.3273, 52.6999, 84.6631



58.0687, 52.6999, 47.9378



43.5718, 52.6999, 44.6445

Complementary

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



49.3273, 52.6999, 84.6631



61.1026, 61.7418, 43.3486

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.



46.6735, 52.6999, 38.2748



49.3273, 52.6999, 84.6631



55.0703, 52.6999, 39.9748

Square

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



49.3273, 52.6999, 84.6631



58.8799, 52.6999, 59.6039



50.8599, 52.6999, 36.6973



42.2210, 52.6999, 55.2145

Rectangle

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



49.3273, 52.6999, 84.6631



56.2046, 52.6999, 76.1143



50.8599, 52.6999, 36.6973



44.4352, 52.6999, 42.0055

Sweetspot

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



49.3290, 52.7020, 84.6643



83.2586, 88.2115, 107.2461



54.7087, 70.2512, 65.5257



17.4376, 18.4934, 22.9005



0.0000, 0.0000, 0.0000



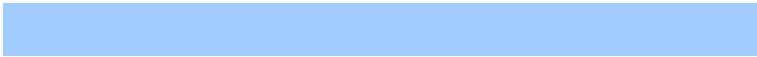
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3290, 52.7020, 84.6643



55.0667, 58.7706, 103.0493



43.3930, 40.1141, 82.5475



14.7985, 15.6835, 19.1695



11.4213, 9.4896, 44.9727



0.9920, 0.9354, 3.5631

Inverse Universe

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



56.5531, 47.4596, 57.8119



65.4124, 51.9413, 64.4419



68.5983, 77.8567, 46.0641



15.3519, 15.1686, 17.1382



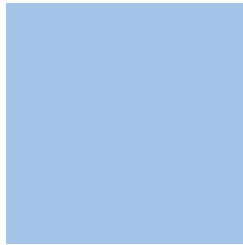
20.6202, 10.4508, 9.0675



1.6672, 0.8398, 0.9649

Previews

White Background



This preview shows how the XYZ color 49.3273, 52.6999, 84.6631 looks on a white background.

Color Contrast Check

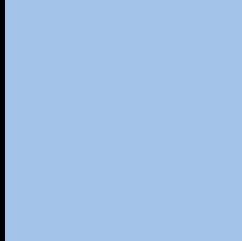
Large Text (above 18pt) WCAG AA × Fail

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 49.3273, 52.6999, 84.6631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

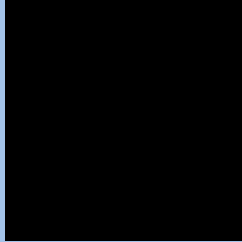
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

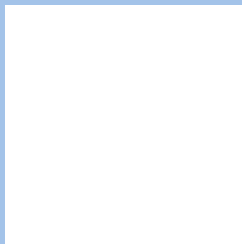
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3273, 52.6999, 84.6631

Background



This preview shows how black text looks on a background with the XYZ color 49.3273, 52.6999, 84.6631.



This preview shows how white text looks on a background with the XYZ color 49.3273, 52.6999,

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

49.3273, 52.6999, 84.6631

Protanopia

52.0848, 52.5513, 81.5270

Deuteranopia

53.9649, 52.7834, 85.9412



Tritanopia

46.6298, 52.6141, 71.3162

Trichromacy



Original Color

49.3273, 52.6999, 84.6631

Protanomaly

51.0371, 52.6426, 82.3340

Deuteranomaly

52.3045, 52.9054, 85.2969

Tritanomaly

47.5146, 52.6265, 76.0603

Monochromacy



Original Color

49.3273, 52.6999, 84.6631

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8126, 51.8588, 65.8296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3273, 52.6999, 84.6631 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(163, 195, 233)` looks like.

```
.text, #text, p{  
    color:rgb(163, 195, 233)  
}
```

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(163, 195, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 195, 233) }
```

Border

The CSS property to change the border of an element to XYZ 49.3273, 52.6999, 84.6631 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(163, 195, 233) }
```


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

```
.border{ border-color:rgb(163, 195, 233) }
```

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

Here you see how a box with a 4 pixel rgb(163, 195, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 195, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 195, 233);  
box-shadow:4px 4px 4px 4px rgb(163, 195,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3273, 52.6999, 84.6631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 195, 233) }
```

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

```
.background{ background-color: rgb(163,  
195, 233) }
```

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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