

Converting Colors

XYZ(49.1941, 53.3063, 81.8261)

Have a look what the booklet for
XYZ(49.1941, 53.3063, 81.8261)
contains.

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Color

**XYZ(49.2134, 53.3762,
81.8376)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C5E5
RGB	163, 197, 229
RGB Percent	64%, 77%, 90%
CMY	0.3608, 0.2274, 0.1020
CMYK	0.29, 0.14, 0.00, 0.10
HSL	209°, 56%, 77%
HSV	209°, 29%, 90%
XYZ	49.2134, 53.3762, 81.8376
YIQ	190.4820, -30.5360, 2.7440

Conversions

Conversions Part 2

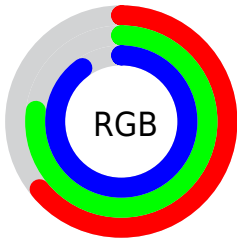
Format	Color
R _Y B	163, 185, 229
Decimal	10733029
CIE Lab	78.10, -4.09, -19.61
CIE LCh	78, 20.028, 258.219
Yxy	53.3762, 0.2668, 0.2894
Android (android.graphics.Color)	4288923109 (0xFFA3C5E5)
YUV	190.4820, 18.9894, -24.1017
Hunter-Lab	73.0590, -7.6136, -15.2728

Details

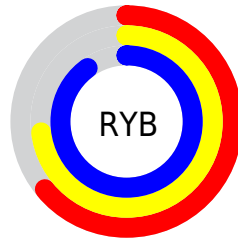
The XYZ color **49.2134, 53.3762, 81.8376** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.4399, 58.3332, 42.8311**, and the grayscale version is **49.1293, 51.6878, 56.2881**.

A 20% lighter version of the original color is **82.7052, 93.1637, 108.2311**, and **23.7957, 25.9770, 43.2951** is the 20% darker color. If you saturate the color by 10%, you get **42.5137, 46.3179, 80.8292**, and if you desaturate by 10%, it is **56.9511, 61.2478, 82.9501**.

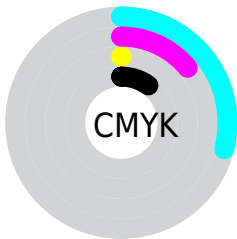
Distribution



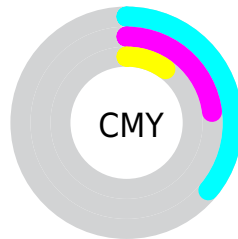
- Red (64%)
- Green (77%)
- Blue (90%)



- Red (64%)
- Yellow (73%)
- Blue (90%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (36%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2134, 53.3762, 81.8376 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 49.2134, 53.3762, 81.8376 by changing the saturation by 10% instead.

■ 49.2134, 53.3762,
81.8376

■ 49.2134, 53.3762,
81.8376

374.0849,
399.7268, 520.9735

■ 35.0040, 38.1032,
60.6966

■ 88.2071, 95.1577,
137.7809

■ 23.8325, 26.0628,
43.5514

■ 113.7222,
122.4350, 173.4203

■ 15.3335, 16.8706,
29.9834

143.7365,
154.4825, 214.7296

■ 9.1416, 10.1423,
19.5741

178.6155,
191.6846, 262.1273

■ 4.8915, 5.4934,
11.9048

218.7245,
234.4256, 316.0320

■ 2.2178, 2.5396,
6.5571

264.4288,

■ 0.7521, 0.8964,

283.0901, 376.8623

3.1125

316.0938,
338.0624, 445.0366

■ 0.0000, 0.0000,
1.1524

■ 0.0000, 0.0000,
0.0000

■ 49.2134, 53.3762,
81.8376

■ 49.2134, 53.3762,
81.8376

■ 42.5137, 46.3179,
80.8292

■ 56.9511, 61.2478,
82.9501

■ 36.7973, 40.0349,
79.9178

■ 65.7680, 69.9560,
84.1662

■ 32.0114, 34.4953,
79.1008

■ 75.7091, 79.5306,
85.4903

■ 28.0960, 29.6618,
78.3742

■ 86.8153, 89.9981,
86.9254

■ 24.9833, 25.4928,
77.7335

■ 90.3559, 96.8629,
88.0638

■ 22.5934, 21.9405,
77.1738

■ 91.1430, 98.4372,
88.3262

■ 20.8078, 18.9365,
76.6881

■ 20.6187, 18.6084,
76.6348

Harmonies

Analogous

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



45.8878, 53.3762, 75.6912



49.2134, 53.3762, 81.8376



53.1187, 53.3762, 81.0541

Triad

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



49.2134, 53.3762, 81.8376



58.2115, 53.3762, 51.6444



45.3319, 53.3762, 44.9235

Complementary

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



49.2134, 53.3762, 81.8376



58.4399, 58.3332, 42.8311

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.



48.4188, 53.3762, 39.9761



49.2134, 53.3762, 81.8376



55.9066, 53.3762, 43.4992

Square

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



49.2134, 53.3762, 81.8376



58.4512, 53.3762, 62.6240



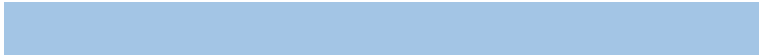
52.2825, 53.3762, 39.4906



43.7250, 53.3762, 53.8328

Rectangle

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



49.2134, 53.3762, 81.8376



55.5257, 53.3762, 76.7215



52.2825, 53.3762, 39.4906



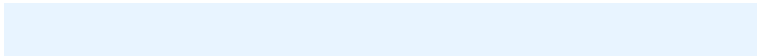
46.2234, 53.3762, 42.7941

Sweetspot

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



49.2151, 53.3783, 81.8388



83.6575, 89.0093, 107.3790



52.9638, 67.7619, 61.8597



17.5358, 18.6897, 22.9332



0.0000, 0.0000, 0.0000



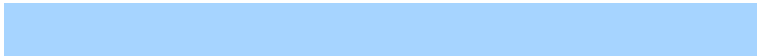
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2151, 53.3783, 81.8388



57.1994, 62.2518, 103.6088



42.5419, 40.0319, 79.6144



14.1938, 15.1091, 18.3126



11.9098, 10.8817, 43.8558



0.9730, 0.9900, 3.2718

Inverse Universe

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



55.4897, 46.8851, 58.9507



66.6804, 53.1815, 68.8592



66.6409, 74.7352, 45.5648



14.6854, 14.4914, 16.5438



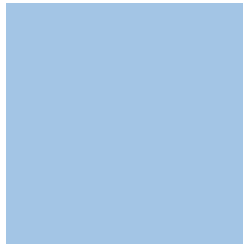
20.4050, 10.2962, 11.0277



1.5548, 0.7796, 1.0620

Previews

White Background



This preview shows how the XYZ color 49.2134, 53.3762, 81.8376 looks on a white background.

Color Contrast Check

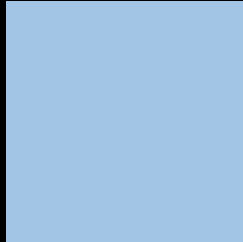
Large Text (above 18pt) WCAG AA × Fail

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 49.2134, 53.3762, 81.8376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

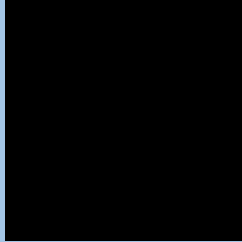
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

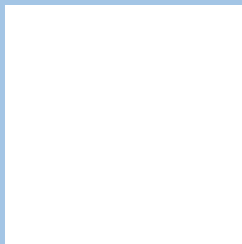
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2134, 53.3762, 81.8376

Background



This preview shows how black text looks on a background with the XYZ color 49.2134, 53.3762, 81.8376.



This preview shows how white text looks on a background with the XYZ color 49.2134, 53.3762,

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

49.2134, 53.3762, 81.8376

Protanopia

52.4711, 53.1369, 78.7251

Deuteranopia

54.3993, 53.0734, 82.9783



Tritanopia

47.1864, 53.2267, 72.0768

Trichromacy



Original Color

49.2134, 53.3762, 81.8376

Protanomaly

51.1575, 53.0959, 79.5037

Deuteranomaly

52.2051, 52.9199, 82.3260

Tritanomaly

47.8103, 53.1325, 75.4459

Monochromacy



Original Color

49.2134, 53.3762, 81.8376

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7914, 52.2029, 64.6313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2134, 53.3762, 81.8376 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, 197, 229)` looks like.

```
.text, #text, p{  
    color:rgb(163, 197, 229)  
}
```

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, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 197, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.2134, 53.3762, 81.8376 is called "border". The border property can be set on classes, ids or directly on the HTML element.

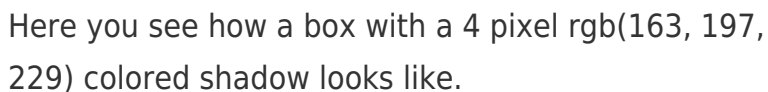
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 197, 229) }
```


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

```
.border{ border-color:rgb(163, 197, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 197, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 197, 229); box-shadow:4px 4px 4px 4px rgb(163, 197, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2134, 53.3762, 81.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 197, 229) }
```

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

```
.background{ background-color: rgb(163,  
197, 229) }
```

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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