

Converting Colors

XYZ(49.5873, 55.1672, 87.3917)

Have a look what the booklet for
XYZ(49.5873, 55.1672, 87.3917)
contains.

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Color

**XYZ(49.5873, 55.1672,
87.3917)**

Conversions

Conversions Part 1

Format	Color
Hex	9ACAEC
RGB	154, 202, 236
RGB Percent	60%, 79%, 93%
CMY	0.3961, 0.2078, 0.0745
CMYK	0.35, 0.14, 0.00, 0.07
HSL	205°, 68%, 76%
HSV	205°, 35%, 93%
XYZ	49.5873, 55.1672, 87.3917
YIQ	191.5240, -39.5220, 0.3980

Conversions

Conversions Part 2

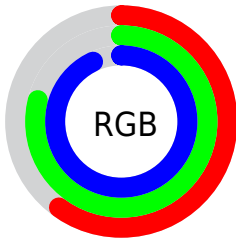
Format	Color
RYB	154, 184, 236
Decimal	10144492
CIELab	79.14, -7.56, -21.84
CIELCh	79, 23.108, 250.899
Yxy	55.1672, 0.2581, 0.2871
Android (android.graphics.Color)	4288334572 (0xFF9ACAEC)
YUV	191.5240, 21.9267, -32.9085
Hunter-Lab	74.2746, -10.8102, -17.7685

Details

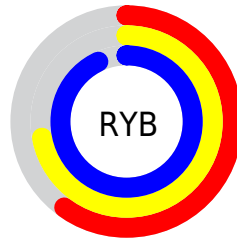
The XYZ color **49.5873, 55.1672, 87.3917** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.4091, 56.1334, 38.3299**, and the grayscale version is **49.7199, 52.3092, 56.9648**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **24.0837, 27.1844, 47.1578** is the 20% darker color. If you saturate the color by 10%, you get **43.3061, 48.6293, 86.4618**, and if you desaturate by 10%, it is **56.9005, 62.4558, 88.4140**.

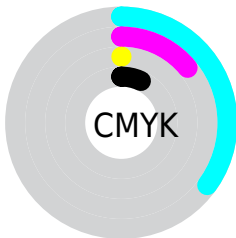
Distribution



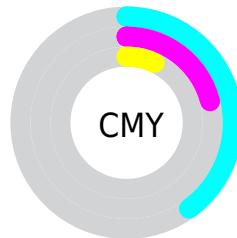
- Red (60%)
- Green (79%)
- Blue (93%)



- Red (60%)
- Yellow (72%)
- Blue (93%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5873, 55.1672, 87.3917 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 49.5873, 55.1672, 87.3917 by changing the saturation by 10% instead.

■ 49.5873, 55.1672,
87.3917

■ 49.5873, 55.1672,
87.3917

375.5286,
406.5454, 539.8587

■ 35.3020, 39.5356,
65.2579

■ 88.7586, 97.7859,
145.6137

■ 24.0632, 27.1766,
47.2176

■ 114.3753,
125.5418, 182.5389

■ 15.5055, 17.7059,
32.8521

144.4999,
158.1079, 225.2318

■ 9.2636, 10.7391,
21.7430

179.4978,
195.8686, 274.1108

■ 4.9720, 5.8917,
13.4717

219.7342,
239.2083, 329.5944

■ 2.2654, 2.7793,
7.6196

265.5746,

■ 0.7769, 1.0176,

288.5114, 392.1013

3.7683

317.3842,
344.1623, 462.0498

■ 0.0000, 0.0000,
1.4991

■ 0.0000, 0.0000,
0.2172

■ 49.5873, 55.1672,
87.3917

■ 49.5873, 55.1672,
87.3917

■ 43.3061, 48.6293,
86.4618

■ 56.9005, 62.4558,
88.4140

■ 37.9972, 42.8036,
85.6171

■ 65.2910, 70.5184,
89.5281

■ 33.6020, 37.6570,
84.8554

■ 74.8073, 79.3852,
90.7380

■ 30.0531, 33.1505,
84.1726

■ 85.4933, 89.0824,
92.0465

■ 27.2722, 29.2395,
83.5642

■ 90.8555, 96.2661,
93.1505

■ 25.1644, 25.8704,
83.0250

■ 92.1405, 98.8362,
93.5788

■ 24.2506, 24.2765,
82.7655

Harmonies

Analogous

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



46.0160, 55.1672, 78.2693



49.5873, 55.1672, 87.3917



54.1288, 55.1672, 88.6038

Triad

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



49.5873, 55.1672, 87.3917



61.6296, 55.1672, 55.3942



46.8426, 55.1672, 42.8498

Complementary

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



49.5873, 55.1672, 87.3917



58.4091, 56.1334, 38.3299

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.



50.7765, 55.1672, 38.4286



49.5873, 55.1672, 87.3917



59.4243, 55.1672, 44.9323

Square

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



49.5873, 55.1672, 87.3917



61.2649, 55.1672, 68.7637



55.3892, 55.1672, 39.1306



44.4967, 55.1672, 52.1376

Rectangle

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



49.5873, 55.1672, 87.3917



57.1198, 55.1672, 84.5905



55.3892, 55.1672, 39.1306



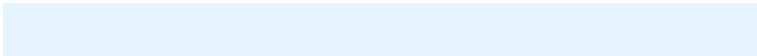
48.0132, 55.1672, 40.8114

Sweetspot

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



49.5890, 55.1694, 87.3930



83.0023, 88.9192, 107.3962



52.2715, 70.4415, 57.7447



17.4274, 18.7160, 22.9440



0.0000, 0.0000, 0.0000



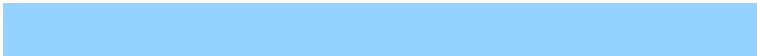
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5890, 55.1694, 87.3930



53.4383, 59.8938, 103.3519



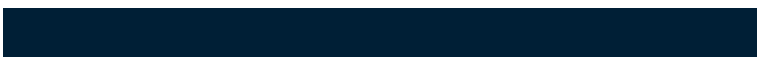
41.4239, 38.8390, 84.6713



14.9639, 16.0142, 19.2246



13.4979, 13.6429, 45.6649



1.1544, 1.2603, 3.6173

Inverse Universe

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



56.8098, 45.2100, 61.6116



63.5213, 47.0913, 67.1033



68.1144, 75.5440, 41.5649



15.4353, 15.2020, 17.5777



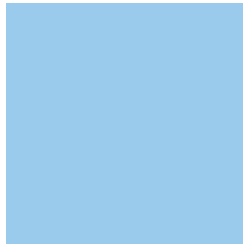
21.6684, 10.8701, 14.5872



1.7492, 0.8726, 1.3967

Previews

White Background



This preview shows how the XYZ color 49.5873, 55.1672, 87.3917 looks on a white background.

Color Contrast Check

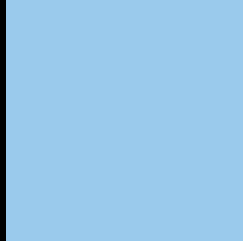
Large Text (above 18pt) WCAG AA × Fail

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 49.5873, 55.1672, 87.3917 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

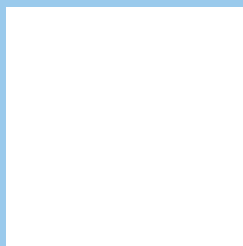
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5873, 55.1672, 87.3917

Background



This preview shows how black text looks on a background with the XYZ color 49.5873, 55.1672, 87.3917.

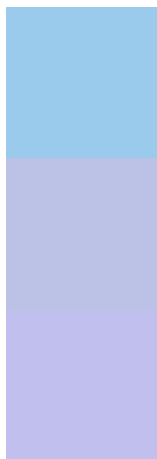


This preview shows how white text looks on a background with the XYZ color 49.5873, 55.1672,

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

49.5873, 55.1672, 87.3917

Protanopia

54.3138, 54.9881, 82.6140

Deuteranopia

56.0557, 54.7721, 88.5065



Tritanopia

47.4601, 55.3671, 76.5921

Trichromacy



Original Color

49.5873, 55.1672, 87.3917

Protanomaly

52.4362, 54.9888, 84.1941

Deuteranomaly

53.3916, 54.7283, 87.8704

Tritanomaly

48.0828, 55.2560, 80.0828

Monochromacy



Original Color

49.5873, 55.1672, 87.3917

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4852, 53.4989, 67.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5873, 55.1672, 87.3917 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(154, 202, 236)` looks like.

```
.text, #text, p{  
    color:rgb(154, 202, 236)  
}
```

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(154, 202, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 202, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.5873, 55.1672, 87.3917 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(154, 202, 236) }
```


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

```
.border{ border-color:rgb(154, 202, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 202, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 202, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 202, 236); box-shadow:4px 4px 4px 4px rgb(154, 202, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5873, 55.1672, 87.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 202, 236) }
```

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

```
.background{ background-color: rgb(154,  
202, 236) }
```

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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