

Converting Colors

XYZ(56.2884, 81.6369, 33.9288)

Have a look what the booklet for
XYZ(56.2884, 81.6369, 33.9288)
contains.

XYZ(56.3668, 81.6778, 33.9136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.3668, 81.6778,
33.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFF82
RGB	170, 255, 130
RGB Percent	67%, 100%, 51%
CMY	0.3333, 0.0000, 0.4902
CMYK	0.33, 0.00, 0.49, 0.00
HSL	101°, 100%, 75%
HSV	101°, 49%, 100%
XYZ	56.3668, 81.6778, 33.9136
YIQ	215.3350, -10.5350, -56.8950

Conversions

Conversions Part 2

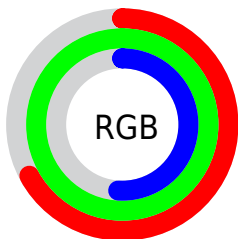
Format	Color
RYB	130, 255, 215
Decimal	11206530
CIELab	92.43, -47.30, 51.38
CIELCh	92, 69.839, 132.633
Yxy	81.6778, 0.3278, 0.4750
Android (android.graphics.Color)	4289396610 (0xFFAAFF82)
YUV	215.3350, -42.0702, -39.7588
Hunter-Lab	90.3758, -46.8283, 41.0144

Details

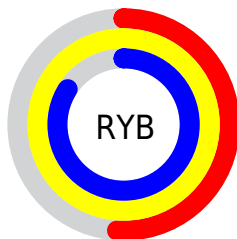
The XYZ color **56.3668, 81.6778, 33.9136** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.0584, 37.6337, 99.0226**, and the grayscale version is **65.0996, 68.4898, 74.5854**.

A 20% lighter version of the original color is **76.5119, 91.5168, 59.5308**, and **28.3437, 44.4347, 14.1041** is the 20% darker color. If you saturate the color by 10%, you get **51.3571, 79.2690, 25.8248**, and if you desaturate by 10%, it is **62.2957, 84.5113, 44.2614**.

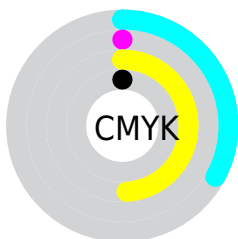
Distribution



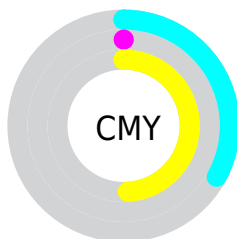
- Red (67%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3668, 81.6778, 33.9136 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 56.3668, 81.6778, 33.9136 by changing the saturation by 10% instead.


 56.3668, 81.6778,
33.9136

 56.3668, 81.6778,
33.9136


401.1250,
500.5693, 334.5040


 40.7352, 61.1000,
22.5504


 98.6774, 135.7221,
66.9316

 28.2990, 44.3059,
14.0597


 126.0871,
169.9573, 89.4236

 18.6928, 30.9110,
8.0230


 158.1536,
209.5138, 116.4622

 11.5512, 20.5311,
4.0217

195.2422,
254.7760, 148.4660

 6.5089, 12.7817,
1.6372

237.7183,
306.1283, 185.8535

 3.2005, 7.2784,
0.3172

285.9472,

 1.2606, 3.6368,

363.9550, 229.0434

0.0000

340.2943,
428.6405, 278.4540

0.1535, 1.4725,
0.0000

0.0000, 0.2693,
0.0000

56.3668, 81.6778,
33.9136

56.3668, 81.6778,
33.9136

51.3571, 79.2690,
25.8248

62.2957, 84.5113,
44.2614

47.2145, 77.2620,
19.8224

69.1897, 87.7901,
57.0164

43.8826, 75.6318,
15.7147

77.0926, 91.5337,
72.3182

41.2961, 74.3497,
13.2732

86.0449, 95.7602,
90.2949

■ 39.3673, 73.3781, 95.0500, 100.0000,
12.1604 108.9000

■ 39.2046, 73.2958,
12.0812

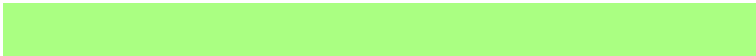
Harmonies

Analogous

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



70.2673, 81.6778, 22.8227



56.3668, 81.6778, 33.9136



48.9296, 81.6778, 62.3772

Triad

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



56.3668, 81.6778, 33.9136



67.7009, 81.6778, 222.0019



116.7828, 81.6778, 68.8683

Complementary

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



56.3668, 81.6778, 33.9136



54.0584, 37.6337, 99.0226

Split Complementary

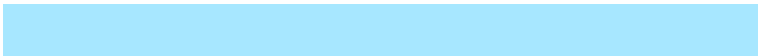
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.8086, 81.6778, 122.1240



56.3668, 81.6778, 33.9136



85.4947, 81.6778, 225.9463

Square

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



56.3668, 81.6778, 33.9136



54.7405, 81.6778, 174.9573



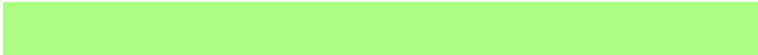
103.6687, 81.6778, 184.2580



106.1534, 81.6778, 37.0682

Rectangle

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



56.3668, 81.6778, 33.9136



47.7992, 81.6778, 93.5904



103.6687, 81.6778, 184.2580



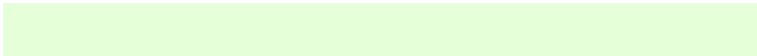
117.8438, 81.6778, 84.4332

Sweetspot

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



56.3671, 81.6779, 33.9148



80.5616, 93.1730, 79.2134



69.1480, 70.6287, 31.1085



16.8494, 19.7567, 16.1690



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.



56.3671, 81.6779, 33.9148



51.3654, 79.2730, 25.8376



50.5390, 78.4951, 41.6958



18.3187, 20.4502, 19.1261



20.6220, 38.3691, 6.3191



2.1160, 3.7916, 0.6203

Inverse Universe

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



54.0584, 37.6337, 99.0226



48.7485, 30.4768, 97.9210



64.0984, 43.1763, 82.9234



18.1943, 17.9919, 22.7638



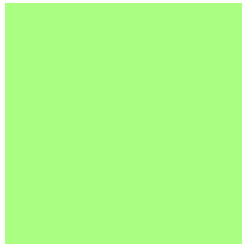
18.6456, 8.5227, 50.0969



1.9294, 0.8885, 4.8831

Previews

White Background



This preview shows how the XYZ color 56.3668, 81.6778, 33.9136 looks on a white background.

Color Contrast Check

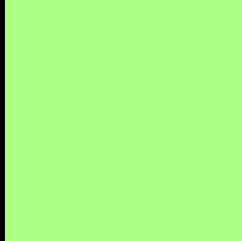
Large Text (above 18pt) WCAG AA × Fail

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 56.3668, 81.6778, 33.9136 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

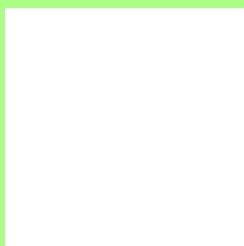
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3668, 81.6778, 33.9136

Background



This preview shows how black text looks on a background with the XYZ color 56.3668, 81.6778, 33.9136.

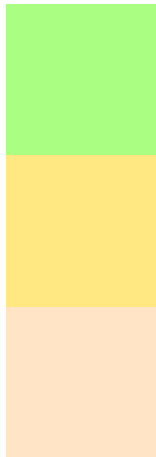


This preview shows how white text looks on a background with the XYZ color 56.3668, 81.6778,

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

56.3668, 81.6778, 33.9136

Protanopia

74.0591, 80.5582, 32.4148

Deuteranopia

79.1764, 80.8240, 64.8536



Tritanopia

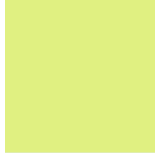
72.7359, 81.2324, 106.4536

Trichromacy



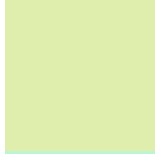
Original Color

56.3668, 81.6778, 33.9136



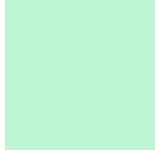
Protanomaly

65.8630, 79.7524, 32.6913



Deuteranomaly

68.8578, 80.0135, 51.3501



Tritanomaly

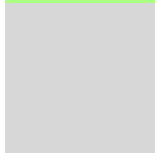
65.2715, 80.7768, 73.1241

Monochromacy



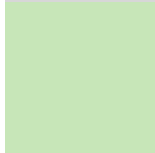
Original Color

56.3668, 81.6778, 33.9136



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5017, 72.1964, 56.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3668, 81.6778, 33.9136 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(170, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 130)  
}
```

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(170, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 56.3668, 81.6778, 33.9136 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(170, 255, 130) }
```


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

```
.border{ border-color:rgb(170, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3668, 81.6778, 33.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 130) }
```

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

```
.background{ background-color: rgb(170,  
255, 130) }
```

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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