

Converting Colors

XYZ(56.4017, 64.9812, 86.6607)

Have a look what the booklet for
XYZ(56.4017, 64.9812, 86.6607)
contains.

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Color

**XYZ(56.4017, 64.9812,
86.6607)**

Conversions

Conversions Part 1	
Format	Color
Hex	A9DBE9
RGB	169, 219, 233
RGB Percent	66%, 86%, 91%
CMY	0.3372, 0.1412, 0.0863
CMYK	0.27, 0.06, 0.00, 0.09
HSL	193°, 59%, 79%
HSV	193°, 27%, 91%
XYZ	56.4017, 64.9812, 86.6607
YIQ	205.6460, -34.2940, -6.2460

Conversions

Conversions Part 2

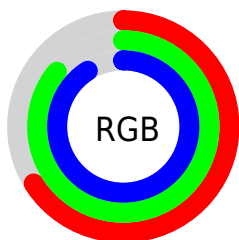
Format	Color
RYB	169, 197, 233
Decimal	11131881
CIELab	84.47, -12.91, -12.12
CIELCh	84, 17.705, 223.178
Yxy	64.9812, 0.2711, 0.3123
Android (android.graphics.Color)	4289321961 (0xFFA9DBE9)
YUV	205.6460, 13.4855, -32.1385
Hunter-Lab	80.6109, -16.1766, -7.3120

Details

The XYZ color **56.4017, 64.9812, 86.6607** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7001, 54.0558, 44.9304**, and the grayscale version is **58.3738, 61.4138, 66.8796**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **28.2815, 33.3701, 46.5454** is the 20% darker color. If you saturate the color by 10%, you get **50.5328, 60.0137, 86.0123**, and if you desaturate by 10%, it is **63.2059, 70.4946, 87.3673**.

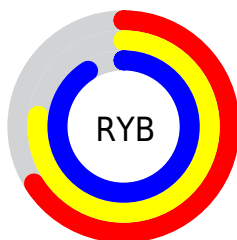
Distribution



Red (66%)

Green (86%)

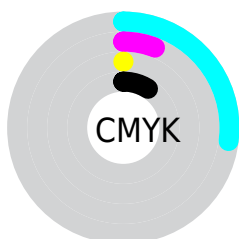
Blue (91%)



Red (66%)

Yellow (77%)

Blue (91%)

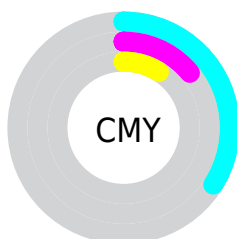


Cyan (27%)

Magenta (6%)

Yellow (0%)

Black (9%)



Cyan (34%)

Magenta (14%)


Yellow (9%)

Brightness & Saturation

Gradients


These gradients show how the XYZ color 56.4017, 64.9812, 86.6607 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 56.4017, 64.9812, 86.6607 by changing the saturation by 10% instead.


 56.4017, 64.9812,
86.6607

 56.4017, 64.9812,
86.6607

401.2541,
442.7244, 537.3945

 40.7633, 47.4458,
64.6564

 98.7281, 112.0228,
144.5858

 28.3211, 33.3882,
46.7330


126.1468,
142.2979, 181.3437

 18.7095, 22.4240,
32.4718


158.2230,
177.5883, 223.8566

 11.5633, 14.1688,
21.4543

195.3221,
218.2784, 272.5430

 6.5172, 8.2382,
13.2620

237.8094,
264.7527, 327.8215

 3.2056, 4.2477,
7.4764


286.0503,


 1.2634, 1.8131,


317.3956, 390.1105


3.6788


340.4100,
376.5913, 459.8287


 0.1556, 0.4953,
1.4509

 0.0000, 0.0000,
0.1809


 56.4017, 64.9812,
86.6607


 56.4017, 64.9812,
86.6607


 50.5328, 60.0137,
86.0123


 63.2059, 70.4946,
87.3673


 45.5457, 55.5590,
85.4153


 70.9837, 76.5692,
88.1299


 41.3904, 51.5925,
84.8687


 79.7784, 83.2295,
88.9520


 38.0091, 48.0838,
84.3697


 86.9285, 89.1040,
89.7090


 35.3363, 44.9986,
83.9150


 88.4448, 92.1366,
90.2144


 33.2953, 42.2968,
83.5011

 90.0036, 95.2541,
90.7340

 31.7840, 39.9252,
83.1230

 91.6051, 98.4571,
91.2679

 31.4444, 39.3558,
83.0310

 91.7082, 98.6633,
91.3022

Harmonies

Analogous

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



54.6767, 64.9812, 75.8154



56.4017, 64.9812, 86.6607



59.5963, 64.9812, 93.6176

Triad

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



56.4017, 64.9812, 86.6607



69.3011, 64.9812, 77.2195



60.0518, 64.9812, 51.6626

Complementary

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



56.4017, 64.9812, 86.6607



57.7001, 54.0558, 44.9304

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.



63.9810, 64.9812, 51.9527



56.4017, 64.9812, 86.6607



69.4358, 64.9812, 65.9220

Square

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



56.4017, 64.9812, 86.6607



67.0924, 64.9812, 87.7823



67.4530, 64.9812, 56.9227



56.7230, 64.9812, 56.0829

Rectangle

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



56.4017, 64.9812, 86.6607



62.1836, 64.9812, 94.7004



67.4530, 64.9812, 56.9227



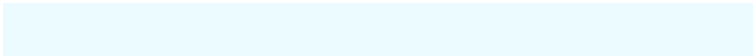
61.3437, 64.9812, 51.2276

Sweetspot

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



56.4036, 64.9838, 86.6622



86.5321, 93.5203, 108.0982



54.0359, 70.1275, 55.4165



18.1980, 19.7675, 23.1063



0.0000, 0.0000, 0.0000



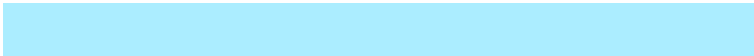
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4036, 64.9838, 86.6622



64.9790, 76.1953, 105.8901



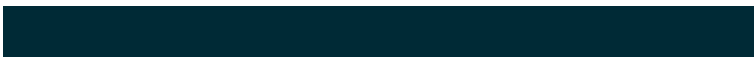
48.8703, 49.9171, 84.1511



15.2219, 16.5303, 19.3106



17.9372, 22.5215, 47.1447



1.4776, 1.9066, 3.7250

Inverse Universe

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



60.5800, 50.8157, 73.6361



71.0016, 56.4200, 86.9589



65.0335, 68.7226, 47.3749



15.5656, 15.2541, 18.2636



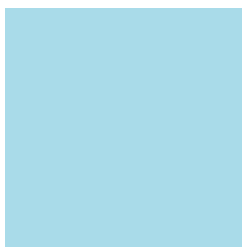
23.9092, 11.7664, 26.3869



1.9123, 0.9379, 2.2555

Previews

White Background



This preview shows how the XYZ color 56.4017, 64.9812, 86.6607 looks on a white background.

Color Contrast Check

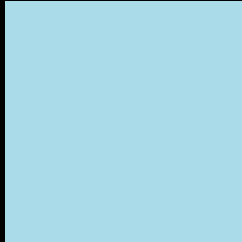
Large Text (above 18pt) WCAG AA × Fail

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 56.4017, 64.9812, 86.6607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

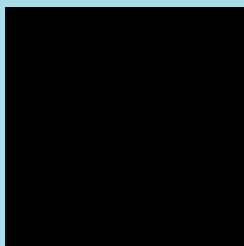
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

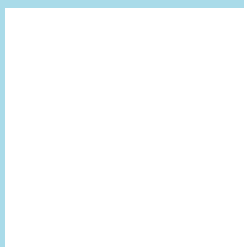
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4017, 64.9812, 86.6607

Background



This preview shows how black text looks on a background with the XYZ color 56.4017, 64.9812, 86.6607.

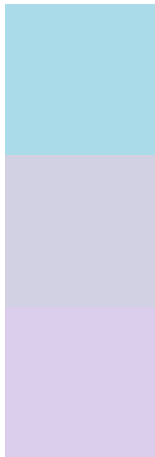


This preview shows how white text looks on a background with the XYZ color 56.4017, 64.9812,

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

56.4017, 64.9812, 86.6607

Protanopia

62.9601, 64.7023, 81.8435

Deuteranopia

66.1851, 64.7788, 88.3721



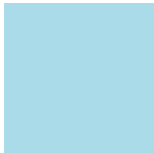
Tritanopia

57.0494, 65.2652, 88.9475

Trichromacy

	Original Color 56.4017, 64.9812, 86.6607
	Protanomaly 60.1852, 64.7150, 83.4479
	Deuteranomaly 62.1294, 64.5089, 87.7741
	Tritanomaly 56.9045, 65.2072, 88.1843

Monochromacy

	Original Color 56.4017, 64.9812, 86.6607
	Achromatopsia 58.6655, 61.7207, 67.2138
	Achromatomaly 57.6813, 62.8839, 74.0634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4017, 64.9812, 86.6607 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(169, 219, 233) looks like.

```
.text, #text, p{  
    color:rgb(169, 219, 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(169, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 233) }
```

Border

The CSS property to change the border of an element to XYZ 56.4017, 64.9812, 86.6607 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(169, 219, 233) }
```


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

```
.border{ border-color:rgb(169, 219, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 219, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 219, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 219, 233);  
box-shadow:4px 4px 4px 4px rgb(169, 219,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4017, 64.9812, 86.6607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 233) }
```

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

```
.background{ background-color: rgb(169,  
219, 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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