

Converting Colors

XYZ(56.8755, 64.7320, 82.8441)

Have a look what the booklet for
XYZ(56.8755, 64.7320, 82.8441)
contains.

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Color

**XYZ(56.9795, 64.9744,
82.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	B0DAE4
RGB	176, 218, 228
RGB Percent	69%, 85%, 89%
CMY	0.3098, 0.1451, 0.1059
CMYK	0.23, 0.04, 0.00, 0.11
HSL	192°, 49%, 79%
HSV	192°, 23%, 89%
XYZ	56.9795, 64.9744, 82.9370
YIQ	206.5820, -28.2420, -5.7940

Conversions

Conversions Part 2

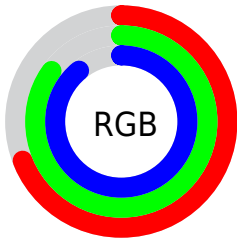
Format	Color
R_{YB}	176, 199, 228
Decimal	11590372
CIE _{Lab}	84.47, -11.47, -9.43
CIE _{LCh}	84, 14.844, 219.427
Yxy	64.9744, 0.2781, 0.3171
Android (android.graphics.Color)	4289780452 (0xFFB0DAE4)
YUV	206.5820, 10.5591, -26.8204
Hunter-Lab	80.6067, -14.8831, -4.5794

Details

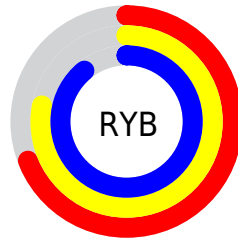
The XYZ color **56.9795, 64.9744, 82.9370** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3909, 54.7465, 48.6179**, and the grayscale version is **58.9882, 62.0602, 67.5836**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **28.6661, 33.3491, 44.4613** is the 20% darker color. If you saturate the color by 10%, you get **51.1297, 60.2951, 82.3432**, and if you desaturate by 10%, it is **63.7291, 70.1655, 83.5843**.

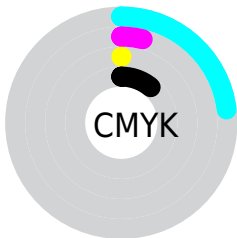
Distribution



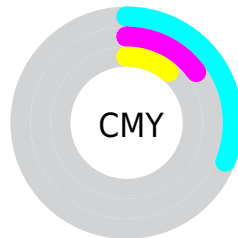
- Red (69%)
- Green (85%)
- Blue (89%)



- Red (69%)
- Yellow (78%)
- Blue (89%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9795, 64.9744, 82.9370 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 56.9795, 64.9744, 82.9370 by changing the saturation by 10% instead.

■ 56.9795, 64.9744,
82.9370

■ 56.9795, 64.9744,
82.9370

403.3879,
442.7000, 524.7420

■ 41.2289, 47.4403,
61.5979

■ 99.5668, 112.0131,
139.3357

■ 28.6864, 33.3839,
44.2742

127.1342,
142.2864, 175.2323

■ 18.9868, 22.4207,
30.5473

159.3712,
177.5750, 216.8185

■ 11.7647, 14.1663,
19.9988

196.6431,
218.2632, 264.5128

■ 6.6547, 8.2364,
12.2101

239.3155,
264.7354, 318.7338

■ 3.2915, 4.2466,
6.7627

287.7534,

■ 1.3097, 1.8125,

317.3760, 379.8999

3.2379

342.3225,
376.5694, 448.4298

■ 0.1905, 0.4949,
1.2174

■ 0.0000, 0.0000,
0.0000

■ 56.9795, 64.9744,
82.9370

■ 56.9795, 64.9744,
82.9370

■ 51.1297, 60.2951,
82.3432

■ 63.7291, 70.1655,
83.5843

■ 46.1303, 56.0968,
81.7963

■ 71.4131, 75.8816,
84.2826

■ 41.9363, 52.3577,
81.2957

■ 80.0713, 82.1453,
85.0353

■ 38.4956, 49.0505,
80.8387

■ 85.1065, 86.5868,
85.6272

■ 35.7501, 46.1450,
80.4225

■ 86.3808, 89.1356,
86.0520

■ 33.6328, 43.6062,
80.0441

■ 87.6864, 91.7466,
86.4872

■ 32.0628, 41.3920,
79.6995

■ 89.0233, 94.4205,
86.9328

■ 31.1790, 39.9520,
79.4681

■ 90.3918, 97.1575,
87.3890

■ 91.0038, 98.3815,
87.5930

Harmonies

Analogous

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



55.7008, 64.9744, 73.7670



56.9795, 64.9744, 82.9370



59.5514, 64.9744, 89.1765

Triad

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



56.9795, 64.9744, 82.9370



67.8947, 64.9744, 77.3317



60.7219, 64.9744, 54.2780

Complementary

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



56.9795, 64.9744, 82.9370



57.3909, 54.7465, 48.6179

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.



64.0148, 64.9744, 55.0479



56.9795, 64.9744, 82.9370



68.2353, 64.9744, 67.8088

Square

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



56.9795, 64.9744, 82.9370



65.8779, 64.9744, 85.7454



66.7927, 64.9744, 59.8124



57.8102, 64.9744, 57.6066

Rectangle

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



56.9795, 64.9744, 82.9370



61.6927, 64.9744, 90.5358



66.7927, 64.9744, 59.8124



61.8198, 64.9744, 54.0732

Sweetspot

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



56.9814, 64.9770, 82.9385



87.7001, 94.6003, 108.2451



54.4625, 68.2435, 56.4978



18.6420, 20.1522, 23.1572



0.0000, 0.0000, 0.0000



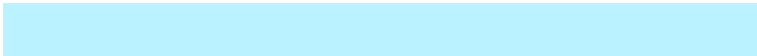
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9814, 64.9770, 82.9385



70.0179, 81.0413, 106.5599



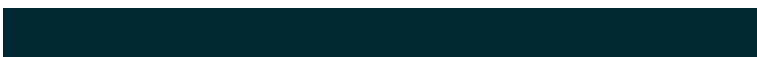
50.8616, 52.7374, 80.8985



14.5596, 15.8406, 18.4345



18.0871, 23.2363, 45.9149



1.3972, 1.8384, 3.4132

Inverse Universe

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



60.1767, 52.6081, 73.3154



74.8220, 62.8376, 92.0034



63.2596, 66.4838, 50.5741



14.8701, 14.5652, 17.5161



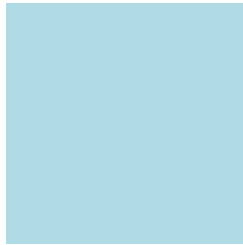
23.5231, 11.5434, 27.4471



1.7689, 0.8653, 2.1895

Previews

White Background



This preview shows how the XYZ color 56.9795, 64.9744, 82.9370 looks on a white background.

Color Contrast Check

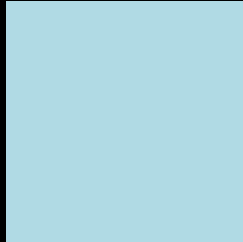
Large Text (above 18pt) WCAG AA × Fail

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 56.9795, 64.9744, 82.9370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

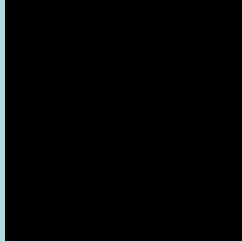
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9795, 64.9744, 82.9370

Background



This preview shows how black text looks on a background with the XYZ color 56.9795, 64.9744, 82.9370.

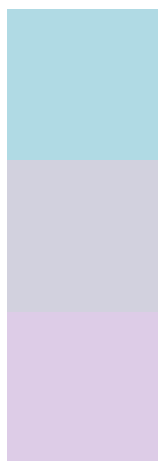


This preview shows how white text looks on a background with the XYZ color 56.9795, 64.9744,

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

56.9795, 64.9744, 82.9370

Protanopia

62.5636, 64.5765, 78.2743

Deuteranopia

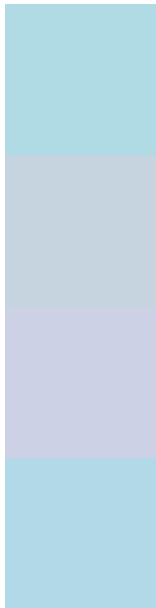
65.8355, 64.3274, 84.5478



Tritanopia

57.7956, 64.9133, 87.3253

Trichromacy



Original Color

56.9795, 64.9744, 82.9370

Protanomaly

60.2867, 64.4746, 79.7884

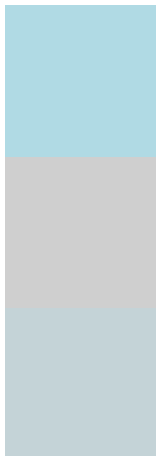
Deuteranomaly

62.2602, 64.2932, 83.9913

Tritanomaly

57.5098, 64.7990, 85.8203

Monochromacy



Original Color

56.9795, 64.9744, 82.9370

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.3250, 63.2306, 73.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9795, 64.9744, 82.9370 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(176, 218, 228)` looks like.

```
.text, #text, p{  
    color:rgb(176, 218, 228)  
}
```

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(176, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 218, 228) }
```

Border

The CSS property to change the border of an element to XYZ 56.9795, 64.9744, 82.9370 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(176, 218, 228) }
```


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

```
.border{ border-color:rgb(176, 218, 228) }
```

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

Here you see how a box with a 4 pixel rgb(176, 218, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 218, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 218, 228);  
box-shadow:4px 4px 4px 4px rgb(176, 218,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9795, 64.9744, 82.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 218, 228) }
```

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

```
.background{ background-color: rgb(176,  
218, 228) }
```

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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