

Converting Colors

XYZ(56.5003, 63.7603, 90.7764)

Have a look what the booklet for
XYZ(56.5003, 63.7603, 90.7764)
contains.

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Color

**XYZ(56.4980, 63.7787,
90.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	A9D8EF
RGB	169, 216, 239
RGB Percent	66%, 85%, 94%
CMY	0.3372, 0.1529, 0.0627
CMYK	0.29, 0.10, 0.00, 0.06
HSL	200°, 69%, 80%
HSV	200°, 29%, 94%
XYZ	56.4980, 63.7787, 90.9941
YIQ	204.5690, -35.3950, -2.8110

Conversions

Conversions Part 2

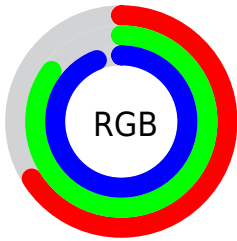
Format	Color
R _Y B	169, 197, 239
Decimal	11131119
CIE Lab	83.85, -9.98, -16.23
CIE LCh	84, 19.055, 238.401
Yxy	63.7787, 0.2674, 0.3019
Android (android.graphics.Color)	4289321199 (0xFFA9D8EF)
YUV	204.5690, 16.9745, -31.1940
Hunter-Lab	79.8616, -13.4781, -11.6518

Details

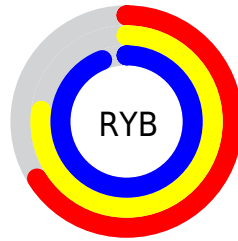
The XYZ color **56.4980, 63.7787, 90.9941** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.6085, 58.9151, 45.6623**, and the grayscale version is **57.6680, 60.6713, 66.0710**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **28.3623, 32.5535, 49.5883** is the 20% darker color. If you saturate the color by 10%, you get **49.8683, 57.4470, 90.1225**, and if you desaturate by 10%, it is **64.1649, 70.7909, 91.9446**.

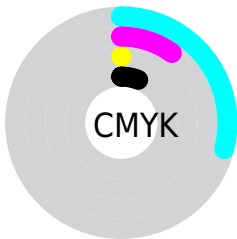
Distribution



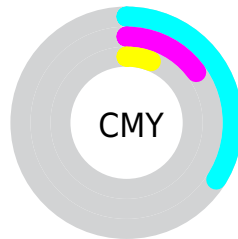
- Red (66%)
- Green (85%)
- Blue (94%)



- Red (66%)
- Yellow (77%)
- Blue (94%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (34%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4980, 63.7787, 90.9941 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 56.4980, 63.7787, 90.9941 by changing the saturation by 10% instead.

■ 56.4980, 63.7787,
90.9941

■ 56.4980, 63.7787,
90.9941

401.6102,
438.3901, 551.9127

■ 40.8409, 46.4715,
68.2271

■ 98.8679, 110.2922,
150.6660

■ 28.3819, 32.6180,
49.6147

126.3115,
140.2672, 188.4080

■ 18.7557, 21.8340,
34.7383

158.4145,
175.2336, 231.9788

■ 11.5968, 13.7350,
23.1794

195.5425,
215.5757, 281.7968

■ 6.5400, 7.9366,
14.5195

238.0607,
261.6781, 338.2807

■ 3.2199, 4.0544,
8.3400

286.3345,

■ 1.2711, 1.7040,

313.9250, 401.8489

4.2224

340.7292,
372.7008, 472.9201

■ 0.1614, 0.4263,
1.7481

■ 0.0000, 0.0000,
0.3934

■ 56.4980, 63.7787,
90.9941

■ 56.4980, 63.7787,
90.9941

■ 49.8683, 57.4470,
90.1225

■ 64.1649, 70.7909,
91.9446

■ 44.2176, 51.7592,
89.3224

■ 72.9117, 78.5029,
92.9721

■ 39.4903, 46.6862,
88.5924

■ 82.7856, 86.9425,
94.0807

■ 35.6229, 42.1932,
87.9290

■ 90.2073, 94.2664,
95.1032

■ 32.5426, 38.2405,
87.3284

■ 92.5802, 99.0121,
95.8942

■ 30.1638, 34.7819,
86.7862

■ 28.3531, 31.7463,
86.2957

■ 28.2343, 31.5403,
86.2622

Harmonies

Analogous

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



53.8095, 63.7787, 80.9994



56.4980, 63.7787, 90.9941



60.3953, 63.7787, 95.1387

Triad

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



56.4980, 63.7787, 90.9941



69.0296, 63.7787, 70.0898



56.8702, 63.7787, 51.0711

Complementary

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



56.4980, 63.7787, 90.9941



61.6085, 58.9151, 45.6623

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.



60.8448, 63.7787, 48.8502



56.4980, 63.7787, 90.9941



67.9817, 63.7787, 59.0437

Square

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



56.4980, 63.7787, 90.9941



67.7394, 63.7787, 82.2409



64.9372, 63.7787, 51.5973



54.0173, 63.7787, 58.0489

Rectangle

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



56.4980, 63.7787, 90.9941



63.1970, 63.7787, 93.7028



64.9372, 63.7787, 51.5973



58.1135, 63.7787, 49.7815

Sweetspot

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



56.4999, 63.7812, 90.9956



84.7466, 91.1874, 107.7420



56.6524, 73.9382, 60.6735



17.8044, 19.2269, 23.0227



0.0000, 0.0000, 0.0000



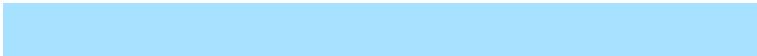
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4999, 63.7812, 90.9956



60.8323, 69.5176, 104.8198



48.6375, 48.0562, 88.3747



15.7843, 17.0027, 20.1715



15.7276, 17.6794, 47.7114



1.3988, 1.6516, 3.9993

Inverse Universe

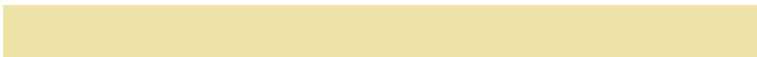
The Inverse Universe completely reimagines the original color for something new.



62.1808, 51.6861, 71.6676



68.5141, 53.9149, 78.5154



70.0010, 75.7000, 48.4598



16.2206, 15.9379, 18.7177



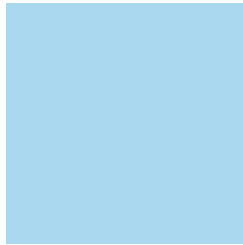
23.2642, 11.5781, 19.8395



1.9810, 0.9814, 1.8909

Previews

White Background



This preview shows how the XYZ color 56.4980, 63.7787, 90.9941 looks on a white background.

Color Contrast Check

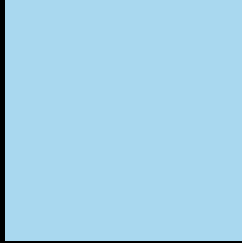
Large Text (above 18pt) WCAG AA × Fail

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 56.4980, 63.7787, 90.9941 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 56.4980, 63.7787, 90.9941

Background



This preview shows how black text looks on a background with the XYZ color 56.4980, 63.7787, 90.9941.



This preview shows how white text looks on a background with the XYZ color 56.4980, 63.7787,

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

56.4980, 63.7787, 90.9941

Protanopia

62.1976, 63.4880, 86.0670

Deuteranopia

64.8235, 63.2688, 92.7999



Tritanopia

55.8126, 63.8911, 87.2325

Trichromacy



Original Color

56.4980, 63.7787, 90.9941

Protanomaly

59.7802, 63.2978, 87.6642

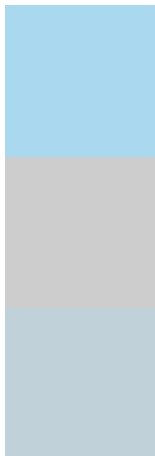
Deuteranomaly

61.4590, 63.3329, 92.2043

Tritanomaly

56.1016, 64.0067, 88.7545

Monochromacy



Original Color

56.4980, 63.7787, 90.9941

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.0631, 61.8172, 74.5700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4980, 63.7787, 90.9941 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, 216, 239)` looks like.

```
.text, #text, p{  
    color:rgb(169, 216, 239)  
}
```

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, 216, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 216, 239) }
```

Border

The CSS property to change the border of an element to XYZ 56.4980, 63.7787, 90.9941 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, 216, 239) }
```


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

```
.border{ border-color:rgb(169, 216, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 216, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 216, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 216, 239);  
box-shadow:4px 4px 4px 4px rgb(169, 216,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4980, 63.7787, 90.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 216, 239) }
```

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

```
.background{ background-color: rgb(169,  
216, 239) }
```

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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