

Converting Colors

XYZ(44.9395, 62.0185, 76.8673)

Have a look what the booklet for
XYZ(44.9395, 62.0185, 76.8673)
contains.

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Color

**XYZ(44.9123, 62.0486,
76.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	61E2DB
RGB	97, 226, 219
RGB Percent	38%, 89%, 86%
CMY	0.6196, 0.1137, 0.1412
CMYK	0.57, 0.00, 0.03, 0.11
HSL	177°, 69%, 63%
HSV	177°, 57%, 89%
XYZ	44.9123, 62.0486, 76.6273
YIQ	186.6310, -74.6370, -29.5250

Conversions

Conversions Part 2

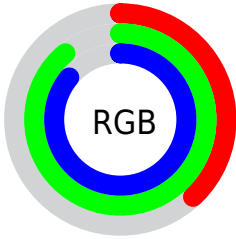
Format	Color
R _Y B	97, 163, 226
Decimal	6415067
CIE Lab	82.94, -37.02, -7.31
CIE LCh	83, 37.733, 191.175
Yxy	62.0486, 0.2446, 0.3380
Android (android.graphics.Color)	4284605147 (0xFF61E2DB)
YUV	186.6310, 15.9579, -78.6064
Hunter-Lab	78.7709, -36.0750, -2.5369

Details

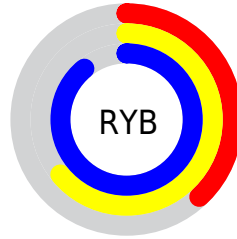
The XYZ color **44.9123, 62.0486, 76.6273** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **38.1395, 25.7194, 16.0530**, and the grayscale version is **46.9712, 49.4173, 53.8155**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **21.1757, 31.4814, 40.0824** is the 20% darker color. If you saturate the color by 10%, you get **42.6782, 60.9169, 75.6841**, and if you desaturate by 10%, it is **47.8371, 63.5391, 77.6118**.

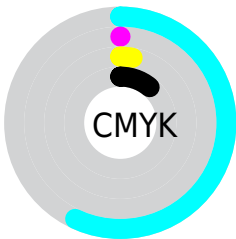
Distribution



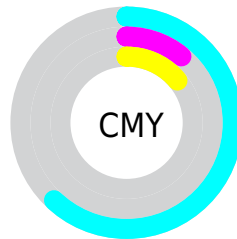
- Red (38%)
- Green (89%)
- Blue (86%)



- Red (38%)
- Yellow (64%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (62%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9123, 62.0486, 76.6273 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 44.9123, 62.0486, 76.6273 by changing the saturation by 10% instead.


 44.9123, 62.0486,
76.6273


 44.9123, 62.0486,
76.6273


357.2079,
432.1083, 502.8962

 31.5893, 45.0720,
56.4373


 81.8267, 107.7958,
130.3814

 21.2020, 31.5141,
40.1473

 106.1488,
137.3351, 164.7827

 13.3851, 20.9906,
27.3387


 134.8680,
171.8308, 204.7581

 7.7731, 13.1172,
17.5931

 168.3497,
211.6672, 250.7261

 4.0007, 7.5093,
10.4919

206.9591,
257.2288, 303.1055

 1.7025, 3.7826,
5.6164

251.0618,

 0.4578, 1.5527,

308.8999, 362.3146

2.5483

301.0229,
367.0650, 428.7720

■ 0.0000, 0.3254,
0.8656

■ 0.0000, 0.0000,
0.0000

■ 44.9123, 62.0486,
76.6273

■ 44.9123, 62.0486,
76.6273

■ 42.6782, 60.9169,
75.6841

■ 47.8371, 63.5391,
77.6118

■ 41.0692, 60.1059,
74.7749


■ 51.5000, 65.4085,
78.6358


■ 40.0169, 59.5818,
73.8980


■ 55.9507, 67.6839,
79.7028


■ 39.4297, 59.2972,
73.0490


■ 61.2328, 70.3878,
80.8150


 39.3013, 59.2363,
72.8041

 67.3870, 73.5411,
81.9742

 74.4510, 77.1633,
83.1824

 82.3839, 81.2334,
84.4375

 82.5545, 81.3016,
85.3356

 82.7263, 81.3703,
86.2401

Harmonies

Analogous

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



45.3646, 62.0486, 54.1019



44.9123, 62.0486, 76.6273



47.9596, 62.0486, 101.5839

Triad

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



44.9123, 62.0486, 76.6273



69.8936, 62.0486, 107.2364



64.1722, 62.0486, 33.3900

Complementary

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



44.9123, 62.0486, 76.6273



38.1395, 25.7194, 16.0530

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.



71.5605, 62.0486, 42.1338



44.9123, 62.0486, 76.6273



75.0678, 62.0486, 83.0839

Square

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



44.9123, 62.0486, 76.6273



62.0616, 62.0486, 121.7781



75.7045, 62.0486, 59.2385



55.9931, 62.0486, 32.4317

Rectangle

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



44.9123, 62.0486, 76.6273



51.7453, 62.0486, 114.9419



75.7045, 62.0486, 59.2385



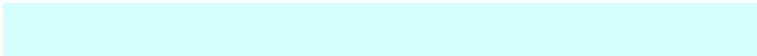
66.8493, 62.0486, 35.4024

Sweetspot

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



44.9141, 62.0510, 76.6288



80.4840, 92.5345, 106.2529



35.2524, 58.2980, 20.7053



16.9070, 19.6424, 22.6781



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.



44.9141, 62.0510, 76.6288



55.7763, 79.9245, 99.3446



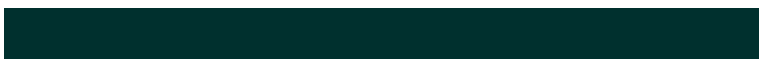
33.0527, 36.8216, 77.3194



14.0828, 15.5588, 17.4710



22.4352, 33.7989, 41.6101



1.5651, 2.3467, 2.9367

Inverse Universe

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



38.1395, 25.7194, 16.0530



46.1161, 27.9900, 12.8723



44.8988, 39.7839, 16.6233



13.7372, 13.7125, 14.3865



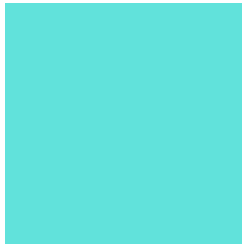
17.9455, 9.2452, 1.1129



1.2547, 0.6451, 0.1339

Previews

White Background



This preview shows how the XYZ color 44.9123, 62.0486, 76.6273 looks on a white background.

Color Contrast Check

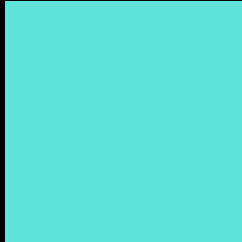
Large Text (above 18pt) WCAG AA × Fail

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 44.9123, 62.0486, 76.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

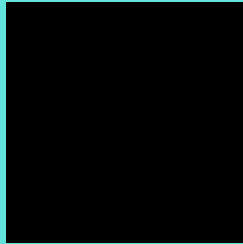
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

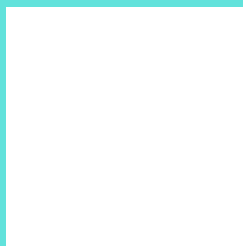
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9123, 62.0486, 76.6273

Background



This preview shows how black text looks on a background with the XYZ color 44.9123, 62.0486, 76.6273.

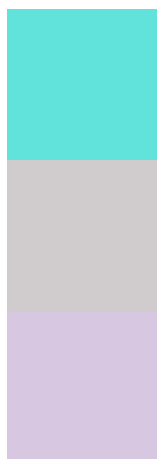


This preview shows how white text looks on a background with the XYZ color 44.9123, 62.0486,

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

44.9123, 62.0486, 76.6273

Protanopia

58.7459, 61.0519, 67.0805

Deuteranopia

62.3329, 60.8820, 79.7003



Tritanopia

48.2087, 62.1904, 92.6822

Trichromacy



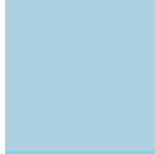
Original Color

44.9123, 62.0486, 76.6273



Protanomaly

51.4498, 60.1149, 70.5197



Deuteranomaly

53.3533, 59.8129, 78.5451



Tritanomaly

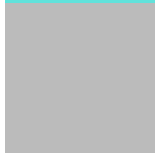
46.9572, 62.0781, 86.5982

Monochromacy



Original Color

44.9123, 62.0486, 76.6273



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.5219, 52.7668, 61.8713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9123, 62.0486, 76.6273 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(97, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(97, 226, 219)  
}
```

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(97, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 226, 219) }
```

Border

The CSS property to change the border of an element to XYZ 44.9123, 62.0486, 76.6273 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(97, 226, 219) }
```


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

```
.border{ border-color:rgb(97, 226, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 226, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(97, 226,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9123, 62.0486, 76.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 226, 219) }
```

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

```
.background{ background-color: rgb(97, 226,  
219) }
```

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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