

Converting Colors

XYZ(52.7636, 63.8690, 74.8070)

Have a look what the booklet for
XYZ(52.7636, 63.8690, 74.8070)
contains.

XYZ(52.6858, 63.7213, 74.4884)	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(52.6858, 63.7213,
74.4884)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DCD8
RGB	161, 220, 216
RGB Percent	63%, 86%, 85%
CMY	0.3686, 0.1372, 0.1529
CMYK	0.27, 0.00, 0.02, 0.14
HSL	176°, 46%, 75%
HSV	176°, 27%, 86%
XYZ	52.6858, 63.7213, 74.4884
YIQ	201.9030, -33.8800, -13.7520

Conversions

Conversions Part 2

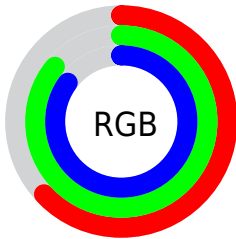
Format	Color
RYB	161, 192, 220
Decimal	10607832
CIELab	83.82, -19.53, -4.12
CIElCh	84, 19.962, 191.919
Yxy	63.7213, 0.2760, 0.3338
Android (android.graphics.Color)	4288797912 (0xFFA1DCD8)
YUV	201.9030, 6.9498, -35.8719
Hunter-Lab	79.8256, -21.8829, 0.5521

Details

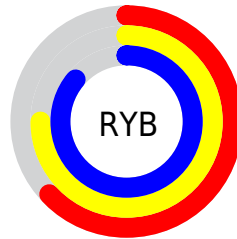
The XYZ color **52.6858, 63.7213, 74.4884** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.0538, 43.4238, 41.3960**, and the grayscale version is **56.0532, 58.9723, 64.2208**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **25.9516, 32.6093, 38.6446** is the 20% darker color. If you saturate the color by 10%, you get **48.4449, 61.5588, 73.2885**, and if you desaturate by 10%, it is **57.7122, 66.2918, 75.7369**.

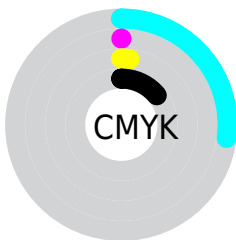
Distribution



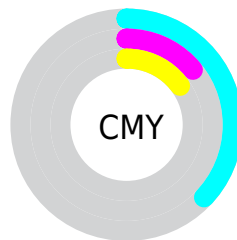
- Red (63%)
- Green (86%)
- Blue (85%)



- Red (63%)
- Yellow (75%)
- Blue (86%)



- Cyan (27%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)





- Cyan (37%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6858, 63.7213, 74.4884 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 52.6858, 63.7213, 74.4884 by changing the saturation by 10% instead.

 52.6858, 63.7213,
74.4884


 52.6858, 63.7213,
74.4884

387.3591,
438.1825, 495.3657

 37.7785, 46.4250,
54.6947


 93.3101, 110.2095,
127.3283

 25.9872, 32.5813,
38.7604


 119.7578,
140.1701, 161.2116

 16.9467, 21.8059,
26.2670


150.7830,
175.1210, 200.6285

 10.2916, 13.7143,
16.7959

186.7511,
215.4464, 245.9975

 5.6565, 7.9223,
9.9287

228.0274,
261.5310, 297.7372

 2.6760, 4.0452,
5.2467

274.9773,

 0.9848, 1.6989,

313.7589, 356.2661

2.3315

327.9660,
372.5146, 422.0028

■ 0.0000, 0.4229,
0.7488

■ 0.0000, 0.0000,
0.0000

■ 52.6858, 63.7213,
74.4884

■ 52.6858, 63.7213,
74.4884

■ 48.4449, 61.5588,
73.2885

■ 57.7122, 66.2918,
75.7369

■ 44.9430, 59.7756,
72.1310

■ 63.5565, 69.2820,
77.0315

■ 42.1375, 58.3510,
71.0151

■ 70.2559, 72.7128,
78.3753

■ 39.9788, 57.2598,
69.9387

■ 77.8437, 76.6015,
79.7700

■ 38.4112, 56.4731,
68.8989

■ 80.2162, 77.8014,
80.9298

■ 37.3692, 55.9571,
67.8927

■ 80.4190, 77.8825,
81.9973

■ 36.7684, 55.6684,
66.9162

■ 80.6235, 77.9643,
83.0742

■ 36.6233, 55.6002,
66.6096

■ 80.8297, 78.0468,
84.1605

■ 81.0378, 78.1300,
85.2562

Harmonies

Analogous

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



52.8998, 63.7213, 62.1554



52.6858, 63.7213, 74.4884



54.5067, 63.7213, 86.7931

Triad

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



52.6858, 63.7213, 74.4884



66.3735, 63.7213, 88.9408



63.2193, 63.7213, 48.8687

Complementary

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



52.6858, 63.7213, 74.4884



49.0538, 43.4238, 41.3960

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.



67.0568, 63.7213, 54.4699



52.6858, 63.7213, 74.4884



68.9375, 63.7213, 77.1474

Square

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



52.6858, 63.7213, 74.4884



62.3230, 63.7213, 95.7860



69.1934, 63.7213, 64.5138



58.8407, 63.7213, 48.3390

Rectangle

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



52.6858, 63.7213, 74.4884



56.6832, 63.7213, 92.9366



69.1934, 63.7213, 64.5138



64.6205, 63.7213, 50.1864

Sweetspot

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



52.6876, 63.7239, 74.4899



87.7170, 96.2453, 107.3980



47.7365, 61.8602, 43.1437



18.4985, 20.4589, 22.9282



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.



52.6876, 63.7239, 74.4899



70.2536, 87.3185, 103.1542



47.2267, 51.9637, 75.2539



13.4047, 14.8135, 16.5943



21.5097, 32.6365, 39.1792



1.4052, 2.1190, 2.5999

Inverse Universe

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



49.0538, 43.4238, 41.3960



64.3906, 54.5528, 49.7497



53.4217, 52.7335, 41.0824



13.0917, 13.0658, 13.7441



17.3871, 8.9559, 1.1525



1.1393, 0.5853, 0.1424

Previews

White Background



This preview shows how the XYZ color 52.6858, 63.7213, 74.4884 looks on a white background.

Color Contrast Check

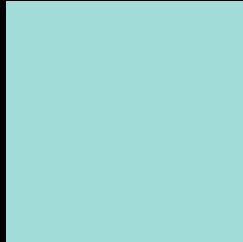
Large Text (above 18pt) WCAG AA × Fail

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 52.6858, 63.7213, 74.4884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

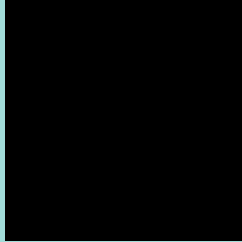
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6858, 63.7213, 74.4884

Background



This preview shows how black text looks on a background with the XYZ color 52.6858, 63.7213, 74.4884.



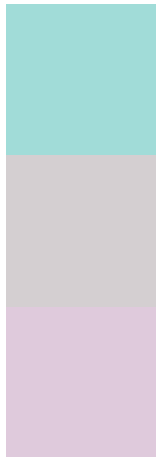
This preview shows how white text looks on a background with the XYZ color 52.6858, 63.7213,

74.4884.

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

52.6858, 63.7213, 74.4884

Protanopia

60.9728, 63.2261, 69.3119

Deuteranopia

64.4702, 63.0963, 76.4910



Tritanopia

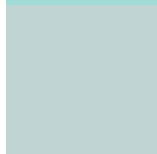
55.3253, 63.6232, 87.9618

Trichromacy



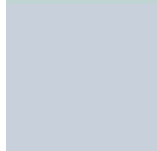
Original Color

52.6858, 63.7213, 74.4884



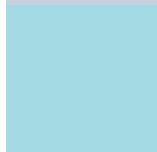
Protanomaly

57.4195, 63.1779, 71.4556



Deuteranomaly

59.4061, 62.9948, 76.0460



Tritanomaly

54.3848, 63.6368, 82.8155

Monochromacy



Original Color

52.6858, 63.7213, 74.4884



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.5565, 60.6707, 67.8667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6858, 63.7213, 74.4884 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(161, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(161, 220, 216)  
}
```

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(161, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 220, 216) }
```

Border

The CSS property to change the border of an element to XYZ 52.6858, 63.7213, 74.4884 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(161, 220, 216) }
```


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

```
.border{ border-color:rgb(161, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(161, 220,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6858, 63.7213, 74.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 220, 216) }
```

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

```
.background{ background-color: rgb(161,  
220, 216) }
```

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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