

Converting Colors

XYZ(42.7261, 55.7370, 64.7215)

Have a look what the booklet for
XYZ(42.7261, 55.7370, 64.7215)
contains.

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Color

**XYZ(42.7804, 55.7587,
65.0077)**

Conversions

Conversions Part 1

Format	Color
Hex	7DD4CB
RGB	125, 212, 203
RGB Percent	49%, 83%, 80%
CMY	0.5098, 0.1686, 0.2039
CMYK	0.41, 0.00, 0.04, 0.17
HSL	174°, 50%, 66%
HSV	174°, 41%, 83%
XYZ	42.7804, 55.7587, 65.0077
YIQ	184.9610, -48.9630, -21.2430

Conversions

Conversions Part 2

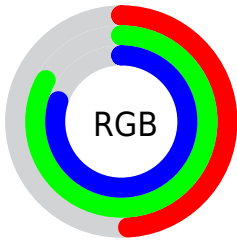
Format	Color
RYB	125, 171, 212
Decimal	8246475
CIELab	79.48, -28.35, -3.79
CIELCh	79, 28.606, 187.623
Yxy	55.7587, 0.2616, 0.3409
Android (android.graphics.Color)	4286436555 (0xFF7DD4CB)
YUV	184.9610, 8.8932, -52.5858
Hunter-Lab	74.6717, -28.4106, 0.6536

Details

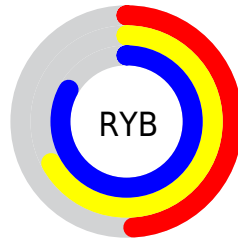
The XYZ color **42.7804, 55.7587, 65.0077** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.7899, 30.3871, 26.3771**, and the grayscale version is **46.0653, 48.4643, 52.7776**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **19.9360, 27.5491, 32.7005** is the 20% darker color. If you saturate the color by 10%, you get **39.7505, 54.2281, 63.5120**, and if you desaturate by 10%, it is **46.4777, 57.6357, 66.5564**.

Distribution



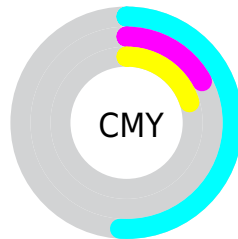
- Red (49%)
- Green (83%)
- Blue (80%)



- Red (49%)
- Yellow (67%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)





- Cyan (51%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7804, 55.7587, 65.0077 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 42.7804, 55.7587, 65.0077 by changing the saturation by 10% instead.


 42.7804, 55.7587,
65.0077


 42.7804, 55.7587,
65.0077

348.6447,
408.7815, 461.1266


 29.9066, 40.0095,
47.0159


 78.6372, 98.6517,
113.6743

 19.9154, 27.5459,
32.6938


 102.3508,
126.5642, 145.1862

 12.4415, 17.9837,
21.6228

 130.4085,
159.3001, 182.0420

 7.1194, 10.9383,
13.3843

163.1756,
197.2435, 224.6601

 3.5839, 6.0253,
7.5599

201.0174,
240.7790, 273.4590

 1.4695, 2.8605,
3.7310

244.2993,

 0.3050, 1.0593,

290.2909, 328.8574

1.4789

293.3866,
346.1636, 391.2737

■ 0.0000, 0.0000,
0.2022

■ 0.0000, 0.0000,
0.0000

■ 42.7804, 55.7587,
65.0077

■ 42.7804, 55.7587,
65.0077

■ 39.7505, 54.2281,
63.5120

■ 46.4777, 57.6357,
66.5564

■ 37.3408, 53.0154,
62.0633

■ 50.8764, 59.8724,
68.1561

■ 35.5055, 52.0984,
60.6606

■ 56.0136, 62.4895,
69.8099

■ 34.1905, 51.4492,
59.3014

■ 61.9226, 65.5040,
71.5193

■ 33.3311, 51.0345,
57.9825

■ 68.6348, 68.9321,
73.2859

■ 32.8460, 50.8095,
56.8298

■ 76.1796, 72.7890,
75.1112

■ 77.4861, 73.4295,
76.6643

■ 77.7758, 73.5454,
78.1896

■ 78.0692, 73.6627,
79.7351

Harmonies

Analogous

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



43.4204, 55.7587, 49.4417



42.7804, 55.7587, 65.0077



44.7167, 55.7587, 82.1555

Triad

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



42.7804, 55.7587, 65.0077



60.0338, 55.7587, 89.3896



57.3167, 55.7587, 35.8954

Complementary

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



42.7804, 55.7587, 65.0077



38.7899, 30.3871, 26.3771

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.



62.2411, 55.7587, 43.3674



42.7804, 55.7587, 65.0077



63.8873, 55.7587, 73.5762

Square

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



42.7804, 55.7587, 65.0077



54.4765, 55.7587, 97.7966



64.7229, 55.7587, 56.6093



51.5445, 55.7587, 34.4337

Rectangle

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



42.7804, 55.7587, 65.0077



47.2965, 55.7587, 91.5571



64.7229, 55.7587, 56.6093



59.1380, 55.7587, 37.7124

Sweetspot

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



42.7820, 55.7609, 65.0090



84.1689, 94.4490, 105.7517



37.2627, 53.7332, 27.8107



17.7846, 20.0982, 22.5635



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.



42.7820, 55.7609, 65.0090



61.0113, 82.6849, 96.8046



36.3928, 41.2154, 68.3271



12.7342, 14.0847, 15.6809



20.2986, 31.3748, 35.1975



1.2406, 1.8989, 2.2088

Inverse Universe

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



38.7899, 30.3871, 26.3771



54.1856, 39.2211, 30.6927



43.1416, 40.0528, 24.8603



12.4750, 12.4415, 13.1754



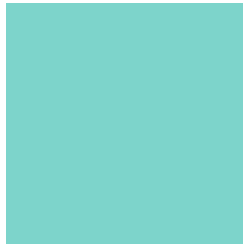
16.8685, 8.6837, 1.3456



1.0356, 0.5310, 0.1767

Previews

White Background



This preview shows how the XYZ color 42.7804, 55.7587, 65.0077 looks on a white background.

Color Contrast Check

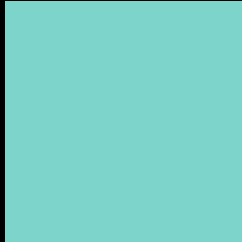
Large Text (above 18pt) WCAG AA × Fail

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 42.7804, 55.7587, 65.0077 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

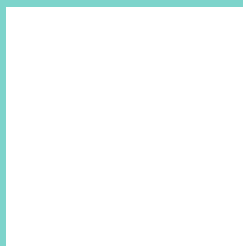
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7804, 55.7587, 65.0077

Background



This preview shows how black text looks on a background with the XYZ color 42.7804, 55.7587, 65.0077.

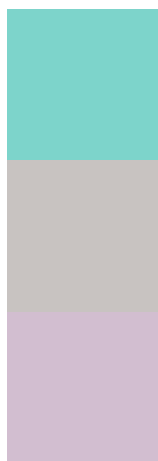


This preview shows how white text looks on a background with the XYZ color 42.7804, 55.7587,

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

42.7804, 55.7587, 65.0077

Protanopia

52.9602, 55.1598, 58.3077

Deuteranopia

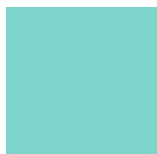
56.3770, 55.0826, 67.3351



Tritanopia

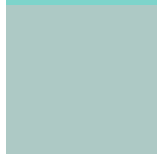
45.7511, 55.8625, 79.6054

Trichromacy



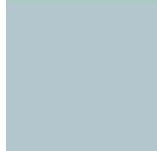
Original Color

42.7804, 55.7587, 65.0077



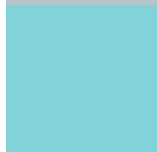
Protanomaly

48.1983, 54.6887, 60.8390



Deuteranomaly

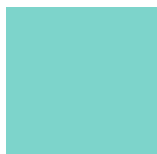
49.9251, 54.4281, 66.2669



Tritanomaly

44.6242, 55.7701, 74.0584

Monochromacy



Original Color

42.7804, 55.7587, 65.0077



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

44.1338, 50.6225, 57.3142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7804, 55.7587, 65.0077 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(125, 212, 203)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 203)  
}
```

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(125, 212, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 203) }
```

Border

The CSS property to change the border of an element to XYZ 42.7804, 55.7587, 65.0077 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(125, 212, 203) }
```


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

```
.border{ border-color:rgb(125, 212, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 203);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7804, 55.7587, 65.0077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 203) }
```

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

```
.background{ background-color: rgb(125,  
212, 203) }
```

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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