

Converting Colors

XYZ(42.6721, 55.4507, 70.5101)

Have a look what the booklet for
XYZ(42.6721, 55.4507, 70.5101)
contains.

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Color

**XYZ(42.7633, 55.6223,
70.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	75D4D4
RGB	117, 212, 212
RGB Percent	46%, 83%, 83%
CMY	0.5412, 0.1686, 0.1686
CMYK	0.45, 0.00, 0.00, 0.17
HSL	180°, 52%, 65%
HSV	180°, 45%, 83%
XYZ	42.7633, 55.6223, 70.7697
YIQ	183.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

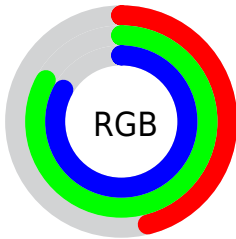
Format	Color
RYB	117, 165, 212
Decimal	7722196
CIELab	79.40, -28.07, -8.76
CIELCh	79, 29.405, 197.341
Yxy	55.6223, 0.2528, 0.3288
Android (android.graphics.Color)	4285912276 (0xFF75D4D4)
YUV	183.5950, 14.0037, -58.4038
Hunter-Lab	74.5804, -28.1663, -4.0543

Details

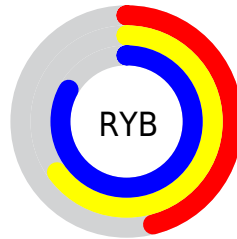
The XYZ color **42.7633, 55.6223, 70.7697** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.7255, 28.0058, 20.3017**, and the grayscale version is **45.2858, 47.6442, 51.8845**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **19.8301, 27.4181, 36.1454** is the 20% darker color. If you saturate the color by 10%, you get **40.2315, 54.3184, 70.6522**, and if you desaturate by 10%, it is **45.9435, 57.2630, 70.9200**.

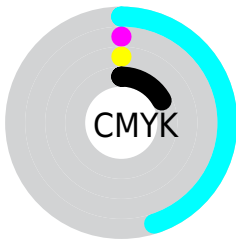
Distribution



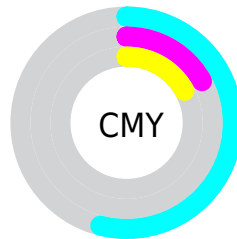
- Red (46%)
- Green (83%)
- Blue (83%)



- Red (46%)
- Yellow (65%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7633, 55.6223, 70.7697 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 42.7633, 55.6223, 70.7697 by changing the saturation by 10% instead.

42.7633, 55.6223,
70.7697

42.7633, 55.6223,
70.7697

348.5755,
408.2665, 482.1099

29.8932, 39.9002,
51.6736

78.6115, 98.4521,
121.9971

19.9052, 27.4607,
36.3645

102.3202,
126.3286, 154.9656

12.4340, 17.9195,
24.4239

130.3726,
159.0254, 193.3952

7.1143, 10.8922,
15.4333

163.1339,
196.9267, 237.7045

3.5806, 5.9944,
8.9741

200.9694,
240.4171, 288.3121

1.4677, 2.8417,
4.6277

244.2447,

0.3037, 1.0496,

289.8810, 345.6365

1.9756

293.3249,
345.7027, 410.0963

■ 0.0000, 0.0000,
0.5402

■ 0.0000, 0.0000,
0.0000

■ 42.7633, 55.6223,
70.7697

■ 42.7633, 55.6223,
70.7697

■ 40.2315, 54.3184,
70.6522

■ 45.9435, 57.2630,
70.9200

■ 38.2989, 53.3221,
70.5614


■ 49.8069, 59.2547,
71.1011


■ 36.9175, 52.6100,
70.4965


■ 54.3921, 61.6185,
71.3160


■ 36.0300, 52.1525,
70.4547


■ 59.7331, 64.3718,
71.5662

 35.5660, 51.9133,
70.4327


 65.8619, 67.5313,
71.8533

 35.4279, 51.8421,
70.4261

 72.8086, 71.1125,
72.1787

 76.6686, 73.1024,
72.3597

 76.6686, 73.1024,
72.3599

 76.6687, 73.1024,
72.3602

Harmonies

Analogous

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



42.5555, 55.6223, 53.7201



42.7633, 55.6223, 70.7697



45.5482, 55.6223, 87.7284

Triad

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



42.7633, 55.6223, 70.7697



61.6543, 55.6223, 85.3482



55.3920, 55.6223, 34.0777

Complementary

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



42.7633, 55.6223, 70.7697



36.7255, 28.0058, 20.3017

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.



60.9313, 55.6223, 39.6790



42.7633, 55.6223, 70.7697



64.7234, 55.6223, 67.9641

Square

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



42.7633, 55.6223, 70.7697



56.3204, 55.6223, 97.1608



64.4494, 55.6223, 51.3885



49.5584, 55.6223, 34.5479

Rectangle

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



42.7633, 55.6223, 70.7697



48.6172, 55.6223, 95.7550



64.4494, 55.6223, 51.3885



57.3582, 55.6223, 35.2618

Sweetspot

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



42.7650, 55.6245, 70.7710



83.8882, 94.2459, 108.3771



34.3068, 52.2660, 25.1113



17.5930, 19.9856, 23.1802



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.



42.7650, 55.6245, 70.7710



61.1860, 82.5425, 107.3128



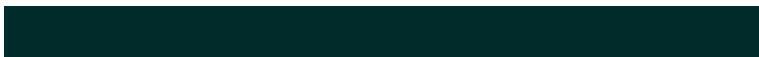
32.8730, 35.8401, 67.4749



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4760



1.3191, 1.9303, 2.6223

Inverse Universe

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



36.7255, 28.0058, 20.3017



50.8650, 35.3441, 21.0643



43.4467, 41.4483, 22.5415



12.4233, 12.4208, 12.9034



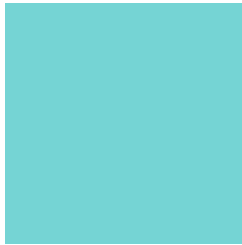
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 42.7633, 55.6223, 70.7697 looks on a white background.

Color Contrast Check

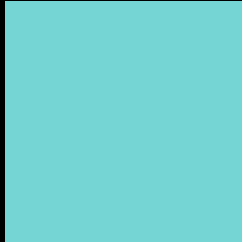
Large Text (above 18pt) WCAG AA × Fail

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 42.7633, 55.6223, 70.7697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

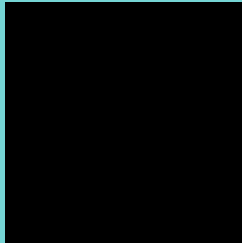
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7633, 55.6223, 70.7697

Background



This preview shows how black text looks on a background with the XYZ color 42.7633, 55.6223, 70.7697.

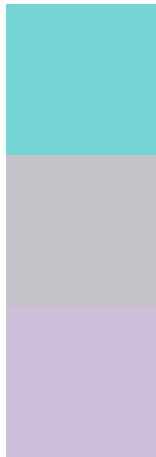


This preview shows how white text looks on a background with the XYZ color 42.7633, 55.6223,

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

42.7633, 55.6223, 70.7697

Protanopia

53.0837, 55.1176, 63.0993

Deuteranopia

56.1147, 54.8158, 73.2686



Tritanopia

44.7969, 55.7042, 81.0640

Trichromacy



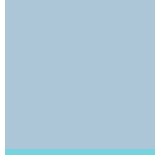
Original Color

42.7633, 55.6223, 70.7697



Protanomaly

48.0545, 54.5059, 65.7456



Deuteranomaly

49.6934, 54.1787, 72.1284



Tritanomaly

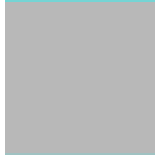
44.2248, 55.8555, 77.5575

Monochromacy



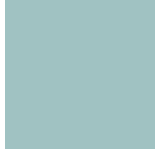
Original Color

42.7633, 55.6223, 70.7697



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.5266, 49.9522, 58.3866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7633, 55.6223, 70.7697 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(117, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(117, 212, 212)  
}
```

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(117, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 212, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.7633, 55.6223, 70.7697 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(117, 212, 212) }
```


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

```
.border{ border-color:rgb(117, 212, 212) }
```

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

Here you see how a box with a 4 pixel rgb(117, 212, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(117, 212,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7633, 55.6223, 70.7697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 212, 212) }
```

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

```
.background{ background-color: rgb(117,  
212, 212) }
```

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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