

Converting Colors

XYZ(42.9520, 56.5154, 72.2739)

Have a look what the booklet for
XYZ(42.9520, 56.5154, 72.2739)
contains.

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Color

**XYZ(42.8663, 56.3929,
72.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	70D6D6
RGB	112, 214, 214
RGB Percent	44%, 84%, 84%
CMY	0.5608, 0.1608, 0.1608
CMYK	0.48, 0.00, 0.00, 0.16
HSL	180°, 55%, 64%
HSV	180°, 48%, 84%
XYZ	42.8663, 56.3929, 72.2440
YIQ	183.5020, -60.7920, -21.6240

Conversions

Conversions Part 2

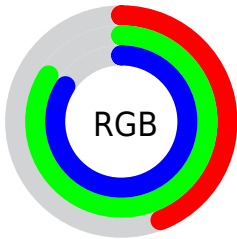
Format	Color
RYB	112, 163, 214
Decimal	7395030
CIELab	79.84, -29.65, -9.20
CIELCh	80, 31.047, 197.243
Yxy	56.3929, 0.2499, 0.3288
Android (android.graphics.Color)	4285585110 (0xFF70D6D6)
YUV	183.5020, 15.0355, -62.7073
Hunter-Lab	75.0952, -29.5242, -4.4722

Details

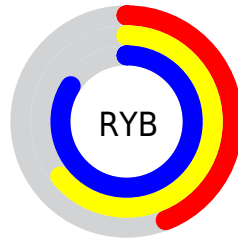
The XYZ color **42.8663, 56.3929, 72.2440** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.4523, 27.0561, 18.6324**, and the grayscale version is **45.2308, 47.5864, 51.8216**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **19.9715, 27.9776, 37.1485** is the 20% darker color. If you saturate the color by 10%, you get **40.4607, 55.1541, 72.1324**, and if you desaturate by 10%, it is **45.9223, 57.9696, 72.3885**.

Distribution



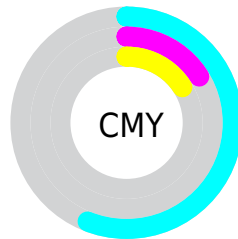
- Red (44%)
- Green (84%)
- Blue (84%)



- Red (44%)
- Yellow (64%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (56%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8663, 56.3929, 72.2440 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 42.8663, 56.3929, 72.2440 by changing the saturation by 10% instead.


 42.8663, 56.3929,
72.2440


 42.8663, 56.3929,
72.2440


348.9925,
411.1705, 487.3908


 29.9743, 40.5180,
52.8700


 78.7660, 99.5788,
124.1143

 19.9671, 27.9427,
37.3120


 102.5045,
127.6586, 157.4477

 12.4792, 18.2824,
25.1514


 130.5891,
160.5755, 196.2712

 7.1454, 11.1530,
15.9699

163.3853,
198.7140, 241.0035

 3.6004, 6.1698,
9.3487

201.2583,
242.4583, 292.0631

 1.4786, 2.9486,
4.8694

244.5737,

 0.3112, 1.1050,

292.1929, 349.8684

2.1135

293.6966,
348.3022, 414.8382

■ 0.0000, 0.0000,
0.6238

■ 0.0000, 0.0000,
0.0000

■ 42.8663, 56.3929,
72.2440

■ 42.8663, 56.3929,
72.2440

■ 40.4607, 55.1541,
72.1324

■ 45.9223, 57.9696,
72.3885

■ 38.6539, 54.2227,
72.0476


■ 49.6657, 59.8994,
72.5640


■ 37.3948, 53.5736,
71.9884


■ 54.1365, 62.2042,
72.7735


■ 36.6214, 53.1749,
71.9519


■ 59.3705, 64.9024,
73.0187


 36.2476, 52.9822,
71.9342

 65.4010, 68.0112,
73.3012

 36.1850, 52.9499,
71.9312

 72.2591, 71.5467,
73.6224

 77.4256, 74.2102,
73.8645

 77.4257, 74.2102,
73.8647

 77.4257, 74.2102,
73.8650

Harmonies

Analogous

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



42.6557, 56.3929, 54.0722



42.8663, 56.3929, 72.2440



45.8067, 56.3929, 90.4825

Triad

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



42.8663, 56.3929, 72.2440



62.9719, 56.3929, 88.0243



56.3129, 56.3929, 33.4536

Complementary

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



42.8663, 56.3929, 72.2440



36.4523, 27.0561, 18.6324

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.



62.2301, 56.3929, 39.3340



42.8663, 56.3929, 72.2440



66.2719, 56.3929, 69.3665

Square

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



42.8663, 56.3929, 72.2440



57.2625, 56.3929, 100.7447



65.9902, 56.3929, 51.7034



50.0966, 56.3929, 33.9235

Rectangle

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



42.8663, 56.3929, 72.2440



49.0595, 56.3929, 99.1688



65.9902, 56.3929, 51.7034



58.4119, 56.3929, 34.6961

Sweetspot

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



42.8680, 56.3951, 72.2453



83.1137, 93.8466, 108.3408



33.8735, 52.8225, 23.7412



17.4406, 19.9070, 23.1730



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.



42.8680, 56.3951, 72.2453



60.1965, 82.0324, 107.2666



32.2226, 35.1040, 68.6981



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4762



1.3191, 1.9303, 2.6223

Inverse Universe

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



36.4523, 27.0561, 18.6324



49.5738, 33.4547, 18.4975



43.4556, 41.0629, 20.9663



12.4233, 12.4208, 12.9034



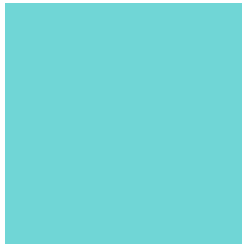
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 42.8663, 56.3929, 72.2440 looks on a white background.

Color Contrast Check

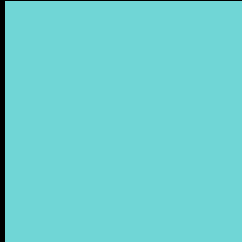
Large Text (above 18pt) WCAG AA × Fail

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 42.8663, 56.3929, 72.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

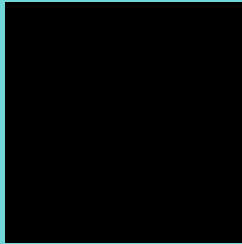
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8663, 56.3929, 72.2440

Background



This preview shows how black text looks on a background with the XYZ color 42.8663, 56.3929, 72.2440.

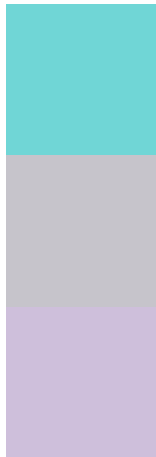


This preview shows how white text looks on a background with the XYZ color 42.8663, 56.3929,

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

42.8663, 56.3929, 72.2440

Protanopia

53.8081, 55.7974, 64.4339

Deuteranopia

56.8706, 55.4979, 74.7326



Tritanopia

45.0225, 56.5260, 82.6664

Trichromacy



Original Color

42.8663, 56.3929, 72.2440

Protanomaly

48.5548, 55.4324, 67.1719

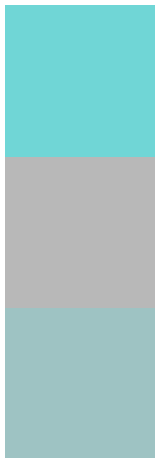
Deuteranomaly

49.9611, 54.6273, 73.5565

Tritanomaly

44.3190, 56.6152, 79.1130

Monochromacy



Original Color

42.8663, 56.3929, 72.2440

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.4660, 50.2394, 59.0360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8663, 56.3929, 72.2440 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(112, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(112, 214, 214)  
}
```

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(112, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.8663, 56.3929, 72.2440 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(112, 214, 214) }
```


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

```
.border{ border-color:rgb(112, 214, 214) }
```

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

Here you see how a box with a 4 pixel rgb(112, 214, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(112, 214,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8663, 56.3929, 72.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 214, 214) }
```

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

```
.background{ background-color: rgb(112,  
214, 214) }
```

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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