

Converting Colors

XYZ(42.2525, 56.0843, 72.2311)

Have a look what the booklet for
XYZ(42.2525, 56.0843, 72.2311)
contains.

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Color

**XYZ(42.2476, 56.0740,
72.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD6D6
RGB	107, 214, 214
RGB Percent	42%, 84%, 84%
CMY	0.5804, 0.1608, 0.1608
CMYK	0.50, 0.00, 0.00, 0.16
HSL	180°, 57%, 63%
HSV	180°, 50%, 84%
XYZ	42.2476, 56.0740, 72.2150
YIQ	182.0070, -63.7720, -22.6840

Conversions

Conversions Part 2

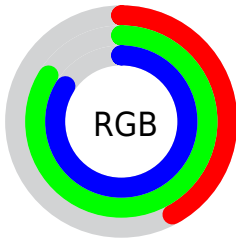
Format	Color
RYB	107, 161, 214
Decimal	7067350
CIELab	79.66, -30.73, -9.49
CIELCh	80, 32.158, 197.167
Yxy	56.0740, 0.2477, 0.3288
Android (android.graphics.Color)	4285257430 (0xFF6BD6D6)
YUV	182.0070, 15.7725, -65.7811
Hunter-Lab	74.8826, -30.3375, -4.7601

Details

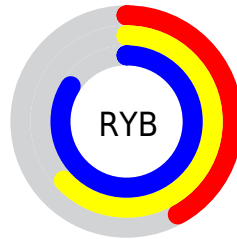
The XYZ color **42.2476, 56.0740, 72.2150** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.6450, 25.8748, 17.0275**, and the grayscale version is **44.4105, 46.7233, 50.8817**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **19.5706, 27.7709, 37.1297** is the 20% darker color. If you saturate the color by 10%, you get **39.9867, 54.9098, 72.1102**, and if you desaturate by 10%, it is **45.1485, 57.5708, 72.3523**.

Distribution



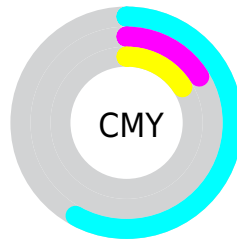
- Red (42%)
- Green (84%)
- Blue (84%)



- Red (42%)
- Yellow (63%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2476, 56.0740, 72.2150 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 42.2476, 56.0740, 72.2150 by changing the saturation by 10% instead.

42.2476, 56.0740,
72.2150

42.2476, 56.0740,
72.2150

346.4825,
409.9703, 487.2872

29.4872, 40.2623,
52.8464

77.8370, 99.1128,
124.0727

19.5958, 27.7431,
37.2933

101.3968,
127.1086, 157.3989

12.2081, 18.1321,
25.1371

129.2870,
159.9345, 196.2148

6.9588, 11.0449,
15.9593

161.8730,
197.9750, 240.9388

3.4824, 6.0970,
9.3413

199.5202,
241.6145, 291.9895

1.4137, 2.9042,
4.8646

242.5939,

0.2660, 1.0819,

291.2372, 349.7854

2.1107

291.4596,
347.2277, 414.7452

■ 0.0000, 0.0000,
0.6221

■ 0.0000, 0.0000,
0.0000

■ 42.2476, 56.0740,
72.2150

■ 42.2476, 56.0740,
72.2150

■ 39.9867, 54.9098,
72.1102

■ 45.1485, 57.5708,
72.3523

■ 38.3128, 54.0469,
72.0315


■ 48.7273, 59.4157,
72.5200


■ 37.1732, 53.4594,
71.9779


■ 53.0250, 61.6312,
72.7215

■ 36.5029, 53.1138,
71.9463


■ 58.0776, 64.2359,
72.9582


 36.1850, 52.9500,
71.9311


 63.9191, 67.2473,
73.2318

 36.1850, 52.9499,
71.9311

 70.5812, 70.6817,
73.5439

 77.4256, 74.2102,
73.8645

 77.4257, 74.2102,
73.8648

 77.4257, 74.2102,
73.8651

Harmonies

Analogous

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



42.0389, 56.0740, 53.4613



42.2476, 56.0740, 72.2150



45.2601, 56.0740, 91.1696

Triad

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



42.2476, 56.0740, 72.2150



62.9748, 56.0740, 88.6969



56.1147, 56.0740, 32.4333

Complementary

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



42.2476, 56.0740, 72.2150



35.6450, 25.8748, 17.0275

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.



62.2323, 56.0740, 38.4306



42.2476, 56.0740, 72.2150



66.4037, 56.0740, 69.3359

Square

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



42.2476, 56.0740, 72.2150



57.0629, 56.0740, 101.9303



66.1215, 56.0740, 51.1085



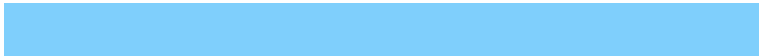
49.6999, 56.0740, 32.8940

Rectangle

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



42.2476, 56.0740, 72.2150



48.6026, 56.0740, 100.2406



66.1215, 56.0740, 51.1085



58.2837, 56.0740, 33.6999

Sweetspot

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



42.2493, 56.0762, 72.2163



82.3509, 93.4534, 108.3051



32.9823, 52.3944, 22.2861



17.2905, 19.8297, 23.1660



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.



42.2493, 56.0762, 72.2163



59.2890, 81.5646, 107.2239



31.1731, 33.9235, 68.5256



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4761



1.3191, 1.9303, 2.6223

Inverse Universe

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



35.6450, 25.8748, 17.0275



48.3898, 31.7221, 16.1437



42.7369, 40.0588, 19.3910



12.4233, 12.4208, 12.9034



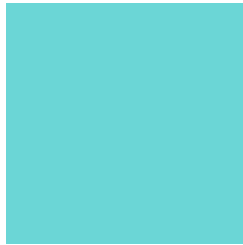
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 42.2476, 56.0740, 72.2150 looks on a white background.

Color Contrast Check

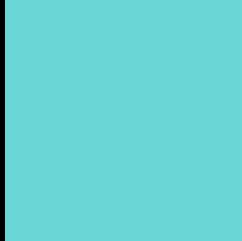
Large Text (above 18pt) WCAG AA × Fail

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 42.2476, 56.0740, 72.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

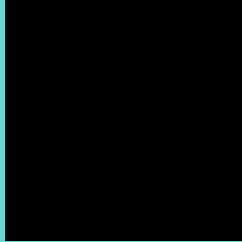
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

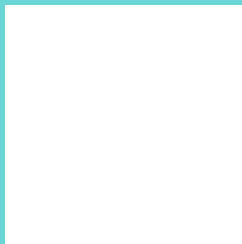
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2476, 56.0740, 72.2150

Background



This preview shows how black text looks on a background with the XYZ color 42.2476, 56.0740, 72.2150.



This preview shows how white text looks on a background with the XYZ color 42.2476, 56.0740,

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

42.2476, 56.0740, 72.2150

Protanopia

53.5833, 55.3478, 64.3590

Deuteranopia

56.5938, 55.3552, 74.7196



Tritanopia

44.3684, 56.1889, 82.6358

Trichromacy



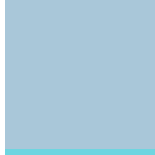
Original Color

42.2476, 56.0740, 72.2150



Protanomaly

47.9001, 54.7454, 67.0738



Deuteranomaly

49.3100, 54.2916, 73.5261



Tritanomaly

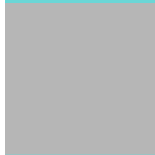
43.6792, 56.2853, 79.0830

Monochromacy



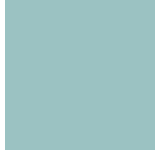
Original Color

42.2476, 56.0740, 72.2150



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.5470, 49.4472, 58.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2476, 56.0740, 72.2150 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(107, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.2476, 56.0740, 72.2150 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(107, 214, 214) }
```


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

```
.border{ border-color:rgb(107, 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(107, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2476, 56.0740, 72.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 214) }
```

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

```
.background{ background-color: rgb(107,  
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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