

Converting Colors

XYZ(42.6604, 56.5386, 73.5232)

Have a look what the booklet for
XYZ(42.6604, 56.5386, 73.5232)
contains.

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Color

**XYZ(42.7585, 56.6845,
73.6533)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD7D8
RGB	107, 215, 216
RGB Percent	42%, 84%, 85%
CMY	0.5804, 0.1568, 0.1529
CMYK	0.50, 0.00, 0.00, 0.15
HSL	181°, 58%, 63%
HSV	181°, 50%, 85%
XYZ	42.7585, 56.6845, 73.6533
YIQ	182.8220, -64.6890, -22.5850

Conversions

Conversions Part 2

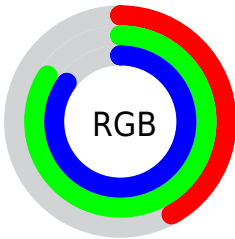
Format	Color
RYB	107, 161, 216
Decimal	7067608
CIELab	80.00, -30.68, -10.05
CIElCh	80, 32.287, 198.128
Yxy	56.6845, 0.2470, 0.3275
Android (android.graphics.Color)	4285257688 (0xFF6BD7D8)
YUV	182.8220, 16.3568, -66.4959
Hunter-Lab	75.2891, -30.3815, -5.2994

Details

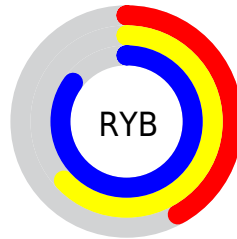
The XYZ color **42.7585, 56.6845, 73.6533** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3363, 26.3866, 17.0893**, and the grayscale version is **44.8524, 47.1882, 51.3879**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **19.9183, 28.1862, 38.1089** is the 20% darker color. If you saturate the color by 10%, you get **40.4290, 55.4102, 73.5311**, and if you desaturate by 10%, it is **45.7400, 58.2976, 73.8085**.

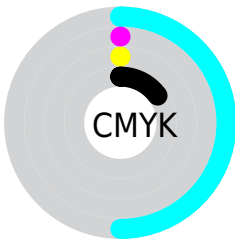
Distribution



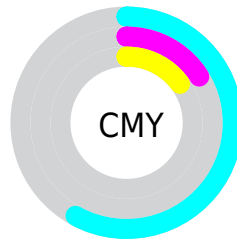
- Red (42%)
- Green (84%)
- Blue (85%)



- Red (42%)
- Yellow (63%)
- Blue (85%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7585, 56.6845, 73.6533 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 42.7585, 56.6845, 73.6533 by changing the saturation by 10% instead.

■ 42.7585, 56.6845,
73.6533

■ 42.7585, 56.6845,
73.6533

348.5560,
412.2660, 492.4073

■ 29.8894, 40.7520,
54.0153

■ 78.6043, 100.0047,
126.1337

■ 19.9023, 28.1253,
38.2206

■ 102.3117,
128.1612, 159.8132

■ 12.4319, 18.4202,
25.8508

■ 130.3625,
161.1611, 199.0102

■ 7.1128, 11.2521,
16.4873

163.1221,
199.3888, 244.1432

■ 3.5797, 6.2366,
9.7115

200.9560,
243.2288, 295.6310

■ 1.4672, 2.9895,
5.1050

244.2293,

■ 0.3034, 1.1263,

293.0654, 353.8918

2.2492

293.3076,
349.2830, 419.3444

■ 0.0000, 0.0002,
0.7026

■ 0.0000, 0.0000,
0.0000

■ 42.7585, 56.6845,
73.6533

■ 42.7585, 56.6845,
73.6533

■ 40.4290, 55.4102,
73.5311

■ 45.7400, 58.2976,
73.8085

■ 38.6972, 54.4428,
73.4357


■ 49.4125, 60.2658,
73.9949

■ 37.5086, 53.7555,
73.3656


■ 53.8182, 62.6120,
74.2155


■ 36.7961, 53.3138,
73.3179


■ 58.9940, 65.3553,
74.4722


 36.4474, 53.0631,
73.2879

 64.9748, 68.5137,
74.7666

 71.7931, 72.1039,
75.1003

 78.2902, 75.5287,
75.4189

 78.3410, 75.6303,
75.4358

 78.3919, 75.7321,
75.4528

Harmonies

Analogous

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



42.4539, 56.6845, 54.5838



42.7585, 56.6845, 73.6533



45.8902, 56.6845, 92.7098

Triad

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



42.7585, 56.6845, 73.6533



63.8238, 56.6845, 89.1018



56.5132, 56.6845, 32.6926

Complementary

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



42.7585, 56.6845, 73.6533



36.3363, 26.3866, 17.0893

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.



62.7404, 56.6845, 38.5426



42.7585, 56.6845, 73.6533



67.1846, 56.6845, 69.4521

Square

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



42.7585, 56.6845, 73.6533



57.8968, 56.6845, 102.8007



66.7728, 56.6845, 51.1503



50.0475, 56.6845, 33.3650

Rectangle

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



42.7585, 56.6845, 73.6533



49.3141, 56.6845, 101.6709



66.7728, 56.6845, 51.1503



58.7129, 56.6845, 33.9034

Sweetspot

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



42.7602, 56.6867, 73.6546



82.2394, 93.2302, 108.2685



33.2744, 53.3002, 22.4456



17.2633, 19.7752, 23.1571



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.



42.7602, 56.6867, 73.6546



58.5522, 80.5127, 107.0622



31.2919, 33.7501, 69.8319



12.7820, 14.0874, 15.9830



21.5776, 31.4169, 43.3800



1.3047, 1.9013, 2.6175

Inverse Universe

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



45.8437, 30.0221, 67.6709



63.5661, 37.3978, 97.2783



43.8064, 41.3268, 19.5794



12.9479, 12.6307, 15.6660



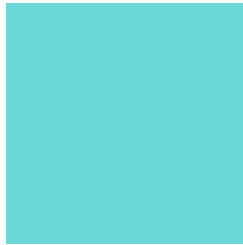
23.9502, 11.5164, 38.6374



1.4462, 0.6953, 2.3390

Previews

White Background



This preview shows how the XYZ color 42.7585, 56.6845, 73.6533 looks on a white background.

Color Contrast Check

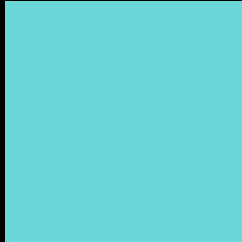
Large Text (above 18pt) WCAG AA × Fail

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 42.7585, 56.6845, 73.6533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

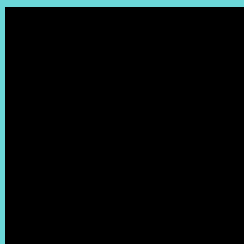
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

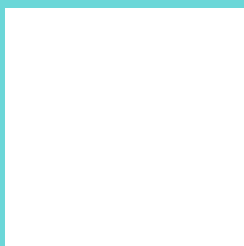
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7585, 56.6845, 73.6533

Background



This preview shows how black text looks on a background with the XYZ color 42.7585, 56.6845, 73.6533.

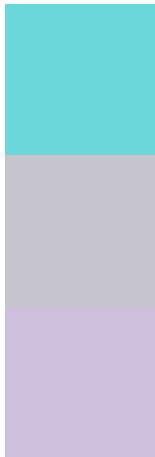


This preview shows how white text looks on a background with the XYZ color 42.7585, 56.6845,

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

42.7585, 56.6845, 73.6533

Protanopia

53.9277, 55.8453, 65.0637

Deuteranopia

57.0776, 55.8989, 76.1879



Tritanopia

44.7593, 56.7464, 83.4570

Trichromacy



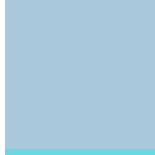
Original Color

42.7585, 56.6845, 73.6533



Protanomaly

48.2582, 55.2653, 67.7983



Deuteranomaly

49.8026, 54.8580, 74.9816



Tritanomaly

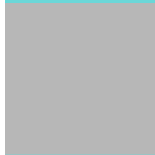
44.0676, 56.8444, 79.8836

Monochromacy



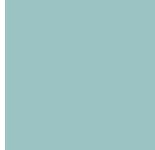
Original Color

42.7585, 56.6845, 73.6533



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.8830, 49.9389, 59.0088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7585, 56.6845, 73.6533 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, 215, 216)` looks like.

```
.text, #text, p{  
    color:rgb(107, 215, 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(107, 215, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 215, 216) }
```

Border

The CSS property to change the border of an element to XYZ 42.7585, 56.6845, 73.6533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

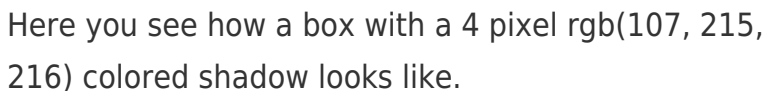
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 215, 216) }
```


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

```
.border{ border-color:rgb(107, 215, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 215, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 215, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 215, 216);  
box-shadow:4px 4px 4px 4px rgb(107, 215,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7585, 56.6845, 73.6533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 215, 216) }
```

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

```
.background{ background-color: rgb(107,  
215, 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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