

Converting Colors

XYZ(33.2222, 42.7121, 65.2367)

Have a look what the booklet for
XYZ(33.2222, 42.7121, 65.2367)
contains.

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Color

**XYZ(33.3906, 42.9264,
65.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	57BDCF
RGB	87, 189, 207
RGB Percent	34%, 74%, 81%
CMY	0.6588, 0.2588, 0.1882
CMYK	0.58, 0.09, 0.00, 0.19
HSL	189°, 56%, 58%
HSV	189°, 58%, 81%
XYZ	33.3906, 42.9264, 65.5572
YIQ	160.5540, -66.5700, -16.0260

Conversions

Conversions Part 2

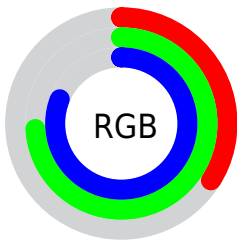
Format	Color
RYB	87, 142, 207
Decimal	5750223
CIELab	71.50, -24.37, -18.01
CIELCh	72, 30.307, 216.463
Yxy	42.9264, 0.2354, 0.3026
Android (android.graphics.Color)	4283940303 (0xFF57BDCF)
YUV	160.5540, 22.8979, -64.5069
Hunter-Lab	65.5182, -23.6865, -13.4625

Details

The XYZ color **33.3906, 42.9264, 65.5572** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **32.5051, 24.0580, 11.9487**, and the grayscale version is **33.5903, 35.3396, 38.4849**.

A 20% lighter version of the original color is **62.7350, 78.7279, 106.4973**, and **14.4137, 19.6279, 33.1659** is the 20% darker color. If you saturate the color by 10%, you get **31.0675, 40.7488, 65.2601**, and if you desaturate by 10%, it is **36.2847, 45.4214, 65.8870**.

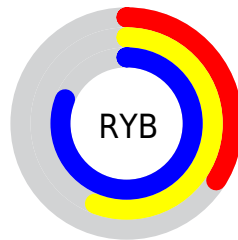
Distribution



Red (34%)

Green (74%)

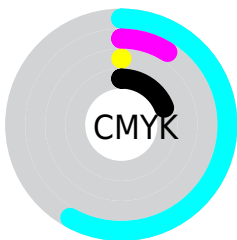
Blue (81%)



Red (34%)

Yellow (56%)

Blue (81%)

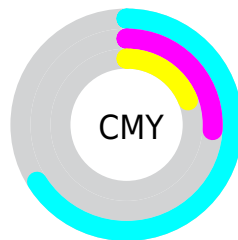


Cyan (58%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (66%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3906, 42.9264, 65.5572 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 33.3906, 42.9264, 65.5572 by changing the saturation by 10% instead.

■ 33.3906, 42.9264,
65.5572

■ 33.3906, 42.9264,
65.5572

309.0401,
358.3090, 463.1525

■ 22.5865, 29.8274,
47.4588

■ 64.3355, 79.5998,
114.4715

■ 14.4075, 19.7076,
33.0416

■ 85.2070, 103.9429,
146.1245

■ 8.4882, 12.1827,
21.8869

■ 110.1650,
132.8029, 183.1328

■ 4.4633, 6.8682,
13.5763

■ 139.5748,
166.5641, 225.9149

■ 1.9674, 3.3798,
7.6912

173.8019,
205.6109, 274.8894

■ 0.6156, 1.3331,
3.8131

213.2116,

■ 0.0000, 0.1666,

250.3277, 330.4748

1.5234

258.1692,
301.0990, 393.0897

■ 0.0000, 0.0000,
0.2352

■ 0.0000, 0.0000,
0.0000

■ 33.3906, 42.9264,
65.5572

■ 33.3906, 42.9264,
65.5572

■ 31.0675, 40.7488,
65.2601

■ 36.2847, 45.4214,
65.8870

■ 29.2625, 38.8584,
64.9904

■ 39.7888, 48.2514,
66.2486

■ 27.9196, 37.2273,
64.7463

■ 43.9433, 51.4381,
66.6447

■ 26.9552, 35.8121,
64.5240

■ 48.7838, 55.0001,
67.0771

■ 26.7786, 35.5370,
64.4802

■ 54.3432, 58.9544,
67.5474

■ 60.6524, 63.3172,
68.0569

■ 67.7403, 68.1034,
68.6072

■ 75.6346, 73.3273,
69.1994

■ 77.3018, 75.3633,
69.5046

Harmonies

Analogous

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



31.7872, 42.9264, 49.9823



33.3906, 42.9264, 65.5572



36.9974, 42.9264, 77.6108

Triad

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



33.3906, 42.9264, 65.5572



50.4976, 42.9264, 58.9143



39.7032, 42.9264, 23.9664

Complementary

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



33.3906, 42.9264, 65.5572



32.5051, 24.0580, 11.9487

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.



44.8552, 42.9264, 25.3799



33.3906, 42.9264, 65.5572



51.3739, 42.9264, 43.6402

Square

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



33.3906, 42.9264, 65.5572



46.9288, 42.9264, 73.2494



49.2322, 42.9264, 31.9188



35.2299, 42.9264, 27.5491

Rectangle

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



33.3906, 42.9264, 65.5572



40.1965, 42.9264, 80.8662



49.2322, 42.9264, 31.9188



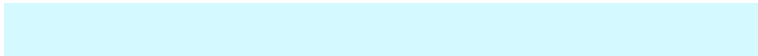
41.4100, 42.9264, 23.8861

Sweetspot

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



33.3919, 42.9280, 65.5582



78.8212, 88.6064, 107.5562



28.6927, 47.6322, 20.5152



16.5099, 18.7042, 22.9900



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.



33.3919, 42.9280, 65.5582



48.8760, 64.3884, 104.4599



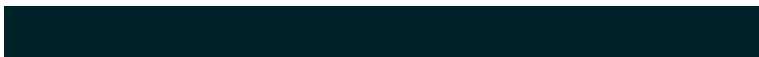
23.3107, 22.7655, 62.1978



12.0010, 13.0923, 15.1382



16.9268, 22.5001, 40.6433



0.9884, 1.3420, 2.2865

Inverse Universe

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



38.3268, 23.7573, 50.7113



57.8940, 32.1121, 76.7104



40.5508, 40.1493, 14.6306



12.2314, 11.9773, 14.4944



21.1746, 10.3427, 26.8892



1.2051, 0.5868, 1.6151

Previews

White Background



This preview shows how the XYZ color 33.3906, 42.9264, 65.5572 looks on a white background.

Color Contrast Check

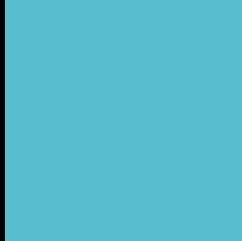
Large Text (above 18pt) WCAG AA × Fail

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 33.3906, 42.9264, 65.5572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

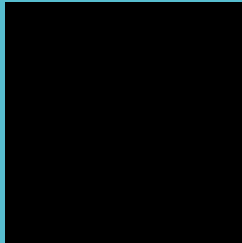
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3906, 42.9264, 65.5572

Background



This preview shows how black text looks on a background with the XYZ color 33.3906, 42.9264, 65.5572.



This preview shows how white text looks on a background with the XYZ color 33.3906, 42.9264,

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

33.3906, 42.9264, 65.5572

Protanopia

41.4849, 42.4187, 58.2257

Deuteranopia

43.1459, 42.2233, 67.5039



Tritanopia

33.0548, 42.7814, 64.2731

Trichromacy



Original Color

33.3906, 42.9264, 65.5572

Protanomaly

37.3606, 41.9858, 60.7785

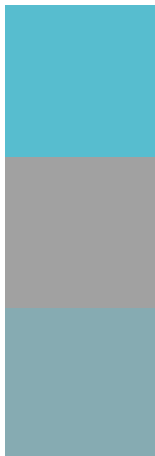
Deuteranomaly

38.3395, 41.7601, 67.0126

Tritanomaly

33.1759, 42.8299, 64.9110

Monochromacy



Original Color

33.3906, 42.9264, 65.5572

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4303, 37.4085, 47.6308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3906, 42.9264, 65.5572 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(87, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(87, 189, 207)  
}
```

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(87, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 189, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.3906, 42.9264, 65.5572 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(87, 189, 207) }
```


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

```
.border{ border-color:rgb(87, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(87, 189,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3906, 42.9264, 65.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 189, 207) }
```

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

```
.background{ background-color: rgb(87, 189,  
207) }
```

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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