

Converting Colors

XYZ(42.2851, 55.6417, 83.0066)

Have a look what the booklet for
XYZ(42.2851, 55.6417, 83.0066)
contains.

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Color

**XYZ(42.2936, 55.4753,
83.3416)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD5E6
RGB	90, 213, 230
RGB Percent	35%, 84%, 90%
CMY	0.6470, 0.1647, 0.0980
CMYK	0.61, 0.07, 0.00, 0.10
HSL	187°, 74%, 63%
HSV	187°, 61%, 90%
XYZ	42.2936, 55.4753, 83.3416
YIQ	178.1610, -78.7650, -20.7890

Conversions

Conversions Part 2

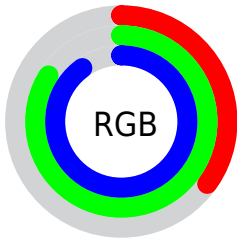
Format	Color
RYB	90, 155, 230
Decimal	5952998
CIELab	79.31, -29.11, -18.61
CIElCh	79, 34.556, 212.593
Yxy	55.4753, 0.2335, 0.3063
Android (android.graphics.Color)	4284143078 (0xFF5AD5E6)
YUV	178.1610, 25.5566, -77.3172
Hunter-Lab	74.4817, -28.9839, -14.2055

Details

The XYZ color **42.2936, 55.4753, 83.3416** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **39.7376, 28.0781, 12.9997**, and the grayscale version is **42.3027, 44.5058, 48.4668**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **19.8668, 27.5097, 44.3072** is the 20% darker color. If you saturate the color by 10%, you get **39.6969, 53.1040, 83.0218**, and if you desaturate by 10%, it is **45.5977, 58.2317, 83.7005**.

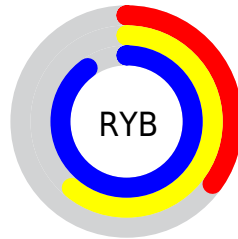
Distribution



Red (35%)

Green (84%)

Blue (90%)



Red (35%)

Yellow (61%)

Blue (90%)

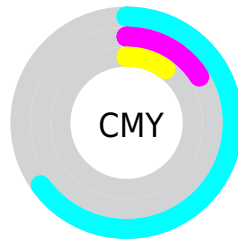


Cyan (61%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (65%)

Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2936, 55.4753, 83.3416 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 42.2936, 55.4753, 83.3416 by changing the saturation by 10% instead.

42.2936, 55.4753,
83.3416

42.2936, 55.4753,
83.3416

346.6695,
407.7111, 526.1251

29.5234, 39.7824,
61.9298

77.9062, 98.2370,
139.9073

19.6234, 27.3689,
44.5405

101.4792,
126.0746, 175.8982

12.2282, 17.8505,
30.7554

129.3839,
158.7292, 217.5860

6.9726, 10.8427,
20.1557

161.9856,
196.5852, 265.3890

3.4912, 5.9612,
12.3231

199.6497,
240.0270, 319.7259

1.4185, 2.8215,
6.8389

242.7414,

0.2694, 1.0393,

289.4390, 381.0152

3.2846

291.6263,
345.2055, 449.6754

■ 0.0000, 0.0000,
1.2418

■ 0.0000, 0.0000,
0.0133

■ 42.2936, 55.4753,
83.3416

■ 42.2936, 55.4753,
83.3416

■ 39.6969, 53.1040,
83.0218

■ 45.5977, 58.2317,
83.7005

■ 37.7363, 51.0772,
82.7339

■ 49.6620, 61.3967,
84.0972

■ 36.3343, 49.3563,
82.4756

■ 54.5400, 64.9994,
84.5355

■ 35.4211, 47.9893,
82.2599

■ 60.2788, 69.0642,
85.0176

66.9221, 73.6134,
85.5456

74.5105, 78.6683,
86.1213

83.0820, 84.2485,
86.7466

85.3303, 86.5875,
87.0796

86.1377, 88.2024,
87.3487

Harmonies

Analogous

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



40.5218, 55.4753, 62.1436



42.2936, 55.4753, 83.3416



46.8373, 55.4753, 100.9384

Triad

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



42.2936, 55.4753, 83.3416



65.4431, 55.4753, 79.6952



52.1279, 55.4753, 29.7741

Complementary

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



42.2936, 55.4753, 83.3416



39.7376, 28.0781, 12.9997

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.



59.0921, 55.4753, 32.4975



42.2936, 55.4753, 83.3416



67.1670, 55.4753, 58.6955

Square

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



42.2936, 55.4753, 83.3416



60.2242, 55.4753, 98.5301



64.7504, 55.4753, 42.1147



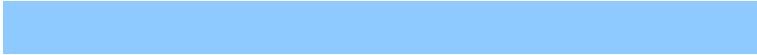
45.8804, 55.4753, 33.6513

Rectangle

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



42.2936, 55.4753, 83.3416



51.0310, 55.4753, 106.6165



64.7504, 55.4753, 42.1147



54.4614, 55.4753, 29.9485

Sweetspot

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



42.2953, 55.4774, 83.3429



78.3806, 88.8054, 107.6178



35.1336, 59.8161, 23.4225



16.2778, 18.6624, 22.9942



0.0000, 0.0000, 0.0000



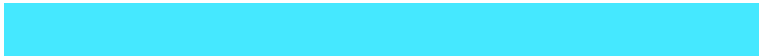
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2953, 55.4774, 83.3429



49.4623, 66.4170, 104.8206



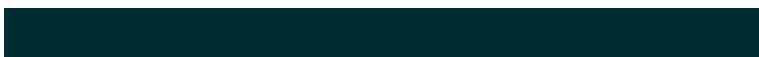
28.4239, 27.7345, 78.7191



14.6503, 16.0219, 18.4647



20.1138, 27.2897, 46.5905



1.5286, 2.1011, 3.4570

Inverse Universe

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



48.3010, 28.9410, 65.9933



57.9809, 31.3466, 79.6349



50.0708, 48.7445, 16.4441



14.9158, 14.5835, 17.7570



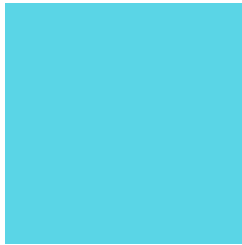
24.5460, 11.9526, 32.8340



1.8352, 0.8918, 2.5386

Previews

White Background



This preview shows how the XYZ color 42.2936, 55.4753, 83.3416 looks on a white background.

Color Contrast Check

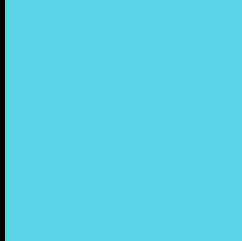
Large Text (above 18pt) WCAG AA × Fail

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 42.2936, 55.4753, 83.3416 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 42.2936, 55.4753, 83.3416

Background



This preview shows how black text looks on a background with the XYZ color 42.2936, 55.4753, 83.3416.

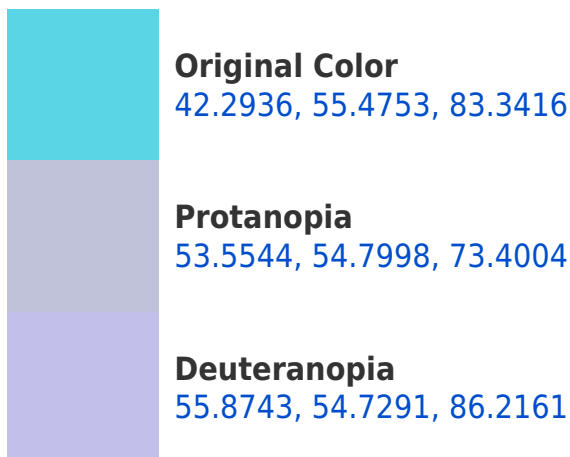


This preview shows how white text looks on a background with the XYZ color 42.2936, 55.4753,

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





Tritanopia

42.2936, 55.4753, 83.3416

Trichromacy



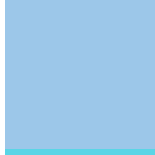
Original Color

42.2936, 55.4753, 83.3416



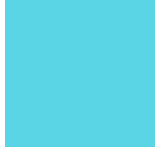
Protanomaly

47.5890, 54.0158, 77.0251



Deuteranomaly

48.8417, 53.7980, 84.9006



Tritanomaly

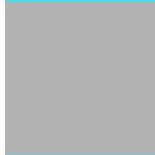
42.2936, 55.4753, 83.3416

Monochromacy



Original Color

42.2936, 55.4753, 83.3416



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.5629, 47.4038, 59.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2936, 55.4753, 83.3416 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(90, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(90, 213, 230)  
}
```

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(90, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 213, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.2936, 55.4753, 83.3416 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(90, 213, 230) }
```


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

```
.border{ border-color:rgb(90, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(90, 213,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2936, 55.4753, 83.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 213, 230) }
```

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

```
.background{ background-color: rgb(90, 213,  
230) }
```

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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