

Converting Colors

XYZ(32.9186, 42.3690, 65.1224)

Have a look what the booklet for
XYZ(32.9186, 42.3690, 65.1224)
contains.

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Color

**XYZ(32.8701, 42.3540,
64.8352)**

Conversions

Conversions Part 1

Format	Color
Hex	55BCCE
RGB	85, 188, 206
RGB Percent	33%, 74%, 81%
CMY	0.6666, 0.2627, 0.1922
CMYK	0.59, 0.09, 0.00, 0.19
HSL	189°, 55%, 57%
HSV	189°, 59%, 81%
XYZ	32.8701, 42.3540, 64.8352
YIQ	159.2550, -67.1660, -16.2380

Conversions

Conversions Part 2

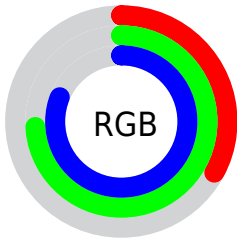
Format	Color
R _Y B	85, 141, 206
Decimal	5618894
CIE Lab	71.11, -24.53, -18.06
CIE LCh	71, 30.465, 216.363
Yxy	42.3540, 0.2347, 0.3024
Android (android.graphics.Color)	4283808974 (0xFF55BCCE)
YUV	159.2550, 23.0453, -65.1216
Hunter-Lab	65.0800, -23.7345, -13.5111

Details

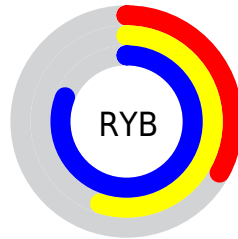
The XYZ color **32.8701, 42.3540, 64.8352** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **31.9445, 23.4792, 11.4438**, and the grayscale version is **32.9925, 34.7106, 37.7999**.

A 20% lighter version of the original color is **62.0777, 77.9411, 106.3800**, and **14.1926, 19.3172, 32.6863** is the 20% darker color. If you saturate the color by 10%, you get **30.6177, 40.2322, 64.5451**, and if you desaturate by 10%, it is **35.6833, 44.7873, 65.1574**.

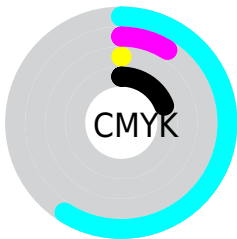
Distribution



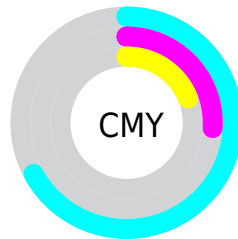
- Red (33%)
- Green (74%)
- Blue (81%)



- Red (33%)
- Yellow (55%)
- Blue (81%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8701, 42.3540, 64.8352 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 32.8701, 42.3540, 64.8352 by changing the saturation by 10% instead.

■ 32.8701, 42.3540,
64.8352

■ 32.8701, 42.3540,
64.8352

306.7393,
355.9483, 460.4895

■ 22.1857, 29.3786,
46.8770

■ 63.5287, 78.7351,
113.4239

■ 14.1108, 19.3674,
32.5848

■ 84.2336, 102.9096,
144.8914

■ 8.2800, 11.9361,
21.5400

■ 109.0095,
131.5859, 181.6992

■ 4.3279, 6.7001,
13.3242

■ 138.2215,
165.1484, 224.2656

■ 1.8893, 3.2753,
7.5188

172.2352,
203.9815, 273.0093

■ 0.5706, 1.2771,
3.7053

211.4158,

■ 0.0000, 0.1234,

248.4696, 328.3489

1.4651

256.1287,
298.9970, 390.7027

■ 0.0000, 0.0000,
0.1917

■ 0.0000, 0.0000,
0.0000

■ 32.8701, 42.3540,
64.8352

■ 32.8701, 42.3540,
64.8352

■ 30.6177, 40.2322,
64.5451

■ 35.6833, 44.7873,
65.1574

■ 28.8733, 38.3920,
64.2819

■ 39.0964, 47.5498,
65.5107

■ 27.5809, 36.8050,
64.0437

■ 43.1494, 50.6629,
65.8980

■ 26.6489, 35.4242,
63.8263

■ 47.8776, 54.1453,
66.3209

■ 26.5405, 35.2559,
63.7995

■ 53.3140, 58.0137,
66.7811

■ 59.4890, 62.2843,
67.2799

■ 66.4316, 66.9719,
67.8188

■ 74.1689, 72.0906,
68.3990

■ 76.8295, 74.6139,
68.7458

Harmonies

Analogous

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



31.2823, 42.3540, 49.2968



32.8701, 42.3540, 64.8352



36.4541, 42.3540, 76.8966

Triad

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



32.8701, 42.3540, 64.8352



49.9162, 42.3540, 58.3072



39.1800, 42.3540, 23.4716

Complementary

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



32.8701, 42.3540, 64.8352



31.9445, 23.4792, 11.4438

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.



44.3139, 42.3540, 24.8898



32.8701, 42.3540, 64.8352



50.8005, 42.3540, 43.0757

Square

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



32.8701, 42.3540, 64.8352



46.3496, 42.3540, 72.6058



48.6733, 42.3540, 31.3991



34.7217, 42.3540, 27.0088

Rectangle

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



32.8701, 42.3540, 64.8352



39.6378, 42.3540, 80.1731



48.6733, 42.3540, 31.3991



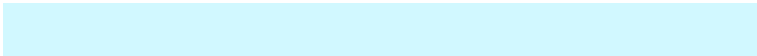
40.8810, 42.3540, 23.3975

Sweetspot

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



32.8714, 42.3556, 64.8362



77.9932, 88.0307, 107.4887



28.1742, 47.0171, 19.9378



16.1820, 18.4708, 22.9623



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.



32.8714, 42.3556, 64.8362



48.9372, 64.5107, 104.4803



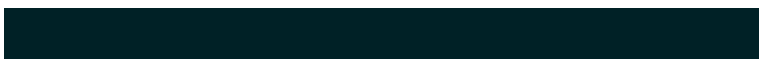
22.7867, 22.1862, 61.4747



11.3956, 12.4316, 14.3693



16.3988, 21.8217, 39.3040



0.8856, 1.2050, 2.0409

Inverse Universe

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



37.7803, 23.2509, 50.0753



57.9249, 32.1244, 76.8729



39.9502, 39.4906, 14.1124



11.6130, 11.3739, 13.7628



20.4883, 10.0059, 26.0877



1.0770, 0.5242, 1.4512

Previews

White Background



This preview shows how the XYZ color 32.8701, 42.3540, 64.8352 looks on a white background.

Color Contrast Check

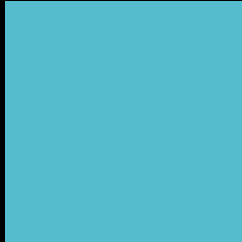
Large Text (above 18pt) WCAG AA × Fail

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 32.8701, 42.3540, 64.8352 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 32.8701, 42.3540, 64.8352

Background



This preview shows how black text looks on a background with the XYZ color 32.8701, 42.3540, 64.8352.



This preview shows how white text looks on a background with the XYZ color 32.8701, 42.3540,

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

32.8701, 42.3540, 64.8352

Protanopia

40.9650, 41.8802, 57.5544

Deuteranopia

42.6154, 41.6870, 66.7731



Tritanopia

32.5385, 42.2109, 63.5593

Trichromacy



Original Color

32.8701, 42.3540, 64.8352

Protanomaly

36.7104, 41.3676, 60.0827

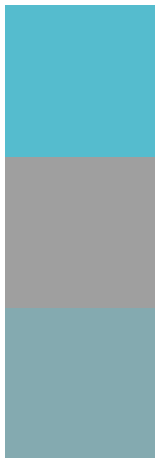
Deuteranomaly

37.8492, 41.2296, 66.2848

Tritanomaly

32.6588, 42.2590, 64.1931

Monochromacy



Original Color

32.8701, 42.3540, 64.8352

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.7269, 36.7896, 46.5032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8701, 42.3540, 64.8352 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(85, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(85, 188, 206)  
}
```

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(85, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 188, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.8701, 42.3540, 64.8352 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(85, 188, 206) }
```


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

```
.border{ border-color:rgb(85, 188, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 188, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(85, 188,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8701, 42.3540, 64.8352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 188, 206) }
```

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

```
.background{ background-color: rgb(85, 188,  
206) }
```

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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