

Converting Colors

XYZ(37.8127, 44.1062, 64.7070)

Have a look what the booklet for
XYZ(37.8127, 44.1062, 64.7070)
contains.

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Color

**XYZ(37.6955, 43.9000,
64.8793)**

Conversions

Conversions Part 1

Format	Color
Hex	82B9CE
RGB	130, 185, 206
RGB Percent	51%, 73%, 81%
CMY	0.4902, 0.2745, 0.1922
CMYK	0.37, 0.10, 0.00, 0.19
HSL	197°, 44%, 66%
HSV	197°, 37%, 81%
XYZ	37.6955, 43.9000, 64.8793
YIQ	170.9490, -39.5210, -5.1290

Conversions

Conversions Part 2

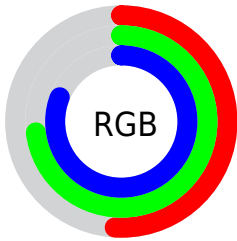
Format	Color
R _Y B	130, 162, 206
Decimal	8567246
CIE Lab	72.16, -12.65, -16.30
CIE LCh	72, 20.630, 232.175
Yxy	43.9000, 0.2574, 0.2997
Android (android.graphics.Color)	4286757326 (0xFF82B9CE)
YUV	170.9490, 17.2801, -35.9123
Hunter-Lab	66.2571, -14.3962, -11.6771

Details

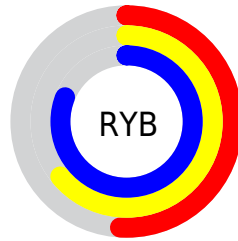
The XYZ color **37.6955, 43.9000, 64.8793** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5503, 36.8675, 26.0993**, and the grayscale version is **38.6144, 40.6254, 44.2411**.

A 20% lighter version of the original color is **69.5129, 80.4449, 106.4714**, and **16.8993, 20.3060, 32.7345** is the 20% darker color. If you saturate the color by 10%, you get **33.6798, 40.0984, 64.3579**, and if you desaturate by 10%, it is **42.3942, 48.1265, 65.4482**.

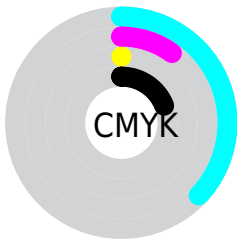
Distribution



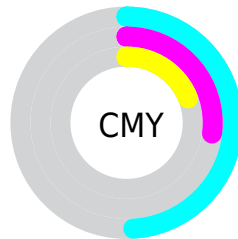
- Red (51%)
- Green (73%)
- Blue (81%)



- Red (51%)
- Yellow (64%)
- Blue (81%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6955, 43.9000, 64.8793 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 37.6955, 43.9000, 64.8793 by changing the saturation by 10% instead.

■ 37.6955, 43.9000,
64.8793

■ 37.6955, 43.9000,
64.8793

327.6154,
362.3000, 460.6524

■ 25.9226, 30.5919,
46.9125

■ 70.9481, 81.0672,
113.4879

■ 16.8981, 20.2883,
32.6126

■ 93.1585, 105.6952,
144.9668

■ 10.2567, 12.6048,
21.5612

■ 119.5787,
134.8652, 181.7868

■ 5.6331, 7.1570,
13.3396

150.5742,
168.9617, 224.3665

■ 2.6618, 3.5605,
7.5293

186.5103,
208.3690, 273.1243

■ 0.9776, 1.4309,
3.7119

227.7522,

■ 0.0000, 0.2393,

253.4716, 328.4789

1.4686

274.6655,
304.6538, 390.8488

■ 0.0000, 0.0000,
0.1944

■ 0.0000, 0.0000,
0.0000

■ 37.6955, 43.9000,
64.8793

■ 37.6955, 43.9000,
64.8793

■ 33.6798, 40.0984,
64.3579

■ 42.3942, 48.1265,
65.4482

■ 30.3044, 36.6958,
63.8791

■ 47.8070, 52.7917,
66.0634

■ 27.5282, 33.6713,
63.4416

■ 53.9683, 57.9151,
66.7276

■ 25.3030, 30.9991,
63.0431

■ 60.9087, 63.5133,
67.4423

■ 23.5729, 28.6495,
62.6808

■ 68.6570, 69.6019,
68.2092

■ 22.2638, 26.5835,
62.3510

■ 77.2408, 76.1959,
69.0295

■ 21.9014, 25.9777,
62.2531

■ 79.2642, 79.4832,
69.5574

■ 80.8273, 82.6094,
70.0784

■ 82.4422, 85.8391,
70.6167

Harmonies

Analogous

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



35.7438, 43.9000, 55.5281



37.6955, 43.9000, 64.8793



40.8073, 43.9000, 69.7889

Triad

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



37.6955, 43.9000, 64.8793



48.8265, 43.9000, 50.4985



39.2129, 43.9000, 31.9475

Complementary

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



37.6955, 43.9000, 64.8793



40.5503, 36.8675, 26.0993

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.



42.6576, 43.9000, 30.9952



37.6955, 43.9000, 64.8793



48.3402, 43.9000, 40.8238

Square

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



37.6955, 43.9000, 64.8793



47.3268, 43.9000, 60.7554



46.0332, 43.9000, 34.0160



36.5848, 43.9000, 36.8305

Rectangle

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



37.6955, 43.9000, 64.8793



43.1753, 43.9000, 69.4592



46.0332, 43.9000, 34.0160



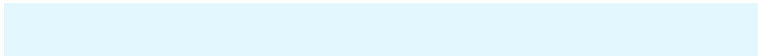
40.3088, 43.9000, 31.1878

Sweetspot

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



37.6969, 43.9017, 64.8803



83.0500, 90.2172, 107.6442



36.8048, 51.1000, 36.8916



17.4826, 19.0662, 23.0087



0.0000, 0.0000, 0.0000



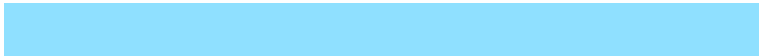
20.3446, 21.4041, 23.3091

Same Dimension

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



37.6969, 43.9017, 64.8803



55.9986, 66.3529, 104.4637



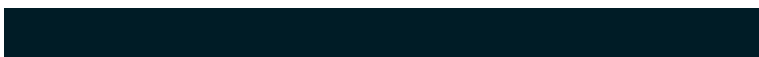
30.8958, 30.2996, 62.6133



11.2710, 12.1825, 14.3278



13.5709, 16.1659, 38.3613



0.7616, 0.9570, 1.9995

Inverse Universe

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



42.1943, 32.5911, 49.9676



64.4869, 46.2267, 76.0445



47.5241, 50.8150, 28.4239



11.5502, 11.3488, 13.4318



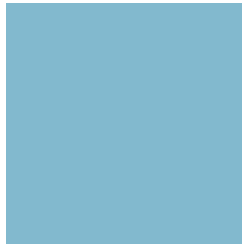
19.0609, 9.4349, 18.5711



1.0144, 0.4992, 1.1216

Previews

White Background



This preview shows how the XYZ color 37.6955, 43.9000, 64.8793 looks on a white background.

Color Contrast Check

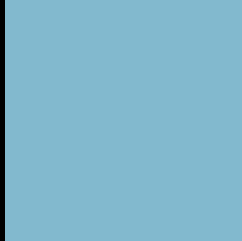
Large Text (above 18pt) WCAG AA × Fail

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 37.6955, 43.9000, 64.8793 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

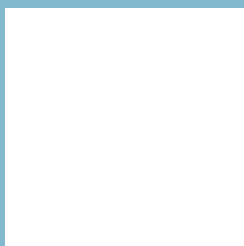
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6955, 43.9000, 64.8793

Background



This preview shows how black text looks on a background with the XYZ color 37.6955, 43.9000, 64.8793.



This preview shows how white text looks on a background with the XYZ color 37.6955, 43.9000,

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

37.6955, 43.9000, 64.8793

Protanopia

42.6520, 43.5541, 60.1916

Deuteranopia

44.6212, 43.5735, 66.3803



Tritanopia

37.1548, 44.0020, 61.7933

Trichromacy



Original Color

37.6955, 43.9000, 64.8793

Protanomaly

40.6854, 43.6726, 62.1624

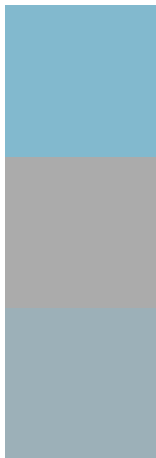
Deuteranomaly

41.8052, 43.5754, 65.8820

Tritanomaly

37.3917, 44.0967, 63.0407

Monochromacy



Original Color

37.6955, 43.9000, 64.8793

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8874, 41.5793, 51.3761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6955, 43.9000, 64.8793 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(130, 185, 206)` looks like.

```
.text, #text, p{  
    color:rgb(130, 185, 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(130, 185, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 185, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.6955, 43.9000, 64.8793 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(130, 185, 206) }
```


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

```
.border{ border-color:rgb(130, 185, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 185, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 185, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 185, 206);  
box-shadow:4px 4px 4px 4px rgb(130, 185,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6955, 43.9000, 64.8793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 185, 206) }
```

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

```
.background{ background-color: rgb(130,  
185, 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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