

Converting Colors

XYZ(36.7329, 41.5870, 63.1808)

Have a look what the booklet for
XYZ(36.7329, 41.5870, 63.1808)
contains.

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Color

**XYZ(36.6920, 41.5864,
63.2198)**

Conversions

Conversions Part 1

Format	Color
Hex	85B3CC
RGB	133, 179, 204
RGB Percent	52%, 70%, 80%
CMY	0.4784, 0.2980, 0.2000
CMYK	0.35, 0.12, 0.00, 0.20
HSL	201°, 41%, 66%
HSV	201°, 35%, 80%
XYZ	36.6920, 41.5864, 63.2198
YIQ	168.0960, -35.4410, -1.9770

Conversions

Conversions Part 2

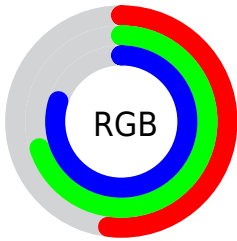
Format	Color
RYB	133, 161, 204
Decimal	8762316
CIELab	70.58, -9.14, -17.57
CIElCh	71, 19.804, 242.502
Yxy	41.5864, 0.2593, 0.2939
Android (android.graphics.Color)	4286952396 (0xFF85B3CC)
YUV	168.0960, 17.7007, -30.7792
Hunter-Lab	64.4875, -11.2905, -12.9832

Details

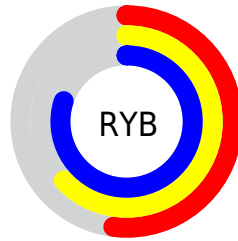
The XYZ color **36.6920, 41.5864, 63.2198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3629, 38.9849, 27.5361**, and the grayscale version is **37.1959, 39.1330, 42.6158**.

A 20% lighter version of the original color is **68.4974, 77.3280, 105.9233**, and **16.2741, 18.8292, 31.6308** is the 20% darker color. If you saturate the color by 10%, you get **32.3767, 37.2810, 62.6169**, and if you desaturate by 10%, it is **41.7104, 46.3675, 63.8789**.

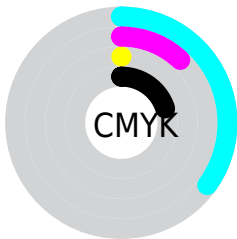
Distribution



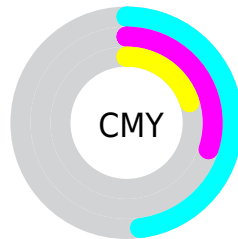
- Red (52%)
- Green (70%)
- Blue (80%)



- Red (52%)
- Yellow (63%)
- Blue (80%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (48%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6920, 41.5864, 63.2198 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 36.6920, 41.5864, 63.2198 by changing the saturation by 10% instead.

■ 36.6920, 41.5864,
63.2198

■ 36.6920, 41.5864,
63.2198

323.3539,
352.7655, 454.4966

■ 25.1417, 28.7776,
45.5769

■ 69.4157, 77.5733,
111.0752

■ 16.3119, 18.9126,
31.5658

■ 91.3199, 101.5201,
142.1248

■ 9.8374, 11.6072,
20.7680

■ 117.4060,
129.9484, 178.4803

■ 5.3527, 6.4768,
12.7650

148.0395,
163.2425, 220.5604

■ 2.4925, 3.1371,
7.1381

183.5856,
201.7869, 268.7835

■ 0.8915, 1.2037,
3.4688

224.4098,

■ 0.0000, 0.0647,

245.9660, 323.5682

1.3387

270.8775,
296.1640, 385.3331

■ 0.0000, 0.0000,
0.0932

■ 0.0000, 0.0000,
0.0000

■ 36.6920, 41.5864,
63.2198

■ 36.6920, 41.5864,
63.2198

■ 32.3767, 37.2810,
62.6169

■ 41.7104, 46.3675,
63.8789

■ 28.7231, 33.4254,
62.0653

■ 47.4625, 51.6389,
64.5932

■ 25.6912, 29.9982,
61.5636

■ 53.9817, 57.4203,
65.3655

■ 23.2348, 26.9739,
61.1093

■ 61.2982, 63.7289,
66.1976

■ 21.3004, 24.3231,
60.6996

■ 69.4404, 70.5808,
67.0910

■ 19.8232, 22.0105,
60.3311

■ 78.2868, 77.9149,
68.0403

■ 19.1742, 20.9097,
60.1528

■ 80.2366, 81.8144,
68.6902

■ 82.2685, 85.8784,
69.3676

■ 84.3838, 90.1088,
70.0727

Harmonies

Analogous

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



34.4539, 41.5864, 55.6700



36.6920, 41.5864, 63.2198



39.8019, 41.5864, 65.7751

Triad

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



36.6920, 41.5864, 63.2198



46.1520, 41.5864, 44.4984



36.2411, 41.5864, 31.7195

Complementary

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



36.6920, 41.5864, 63.2198



41.3629, 38.9849, 27.5361

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.



39.2526, 41.5864, 29.5579



36.6920, 41.5864, 63.2198



45.0743, 41.5864, 36.2714

Square

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



36.6920, 41.5864, 63.2198



45.3748, 41.5864, 54.1209



42.5036, 41.5864, 31.1031



34.2039, 41.5864, 37.4594

Rectangle

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



36.6920, 41.5864, 63.2198



41.9840, 41.5864, 64.0527



42.5036, 41.5864, 31.1031



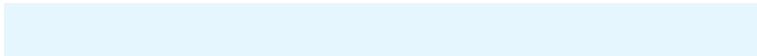
37.1671, 41.5864, 30.5891

Sweetspot

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



36.6933, 41.5880, 63.2208



83.4853, 89.8852, 107.5572



37.4252, 50.6365, 40.0824



17.5444, 18.9501, 22.9830



0.0000, 0.0000, 0.0000



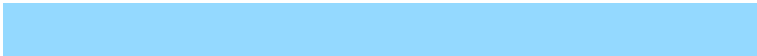
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6933, 41.5880, 63.2208



55.1327, 63.2827, 103.9167



30.4932, 29.1878, 61.1541



11.1980, 12.0364, 14.3034



12.1586, 13.3412, 37.8906



0.6969, 0.8276, 1.9779

Inverse Universe

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



41.4271, 32.8681, 46.8104



64.3766, 47.4334, 71.6071



48.2837, 52.8265, 29.8430



11.5133, 11.3340, 13.2376



18.3480, 9.1498, 14.8172



0.9817, 0.4861, 0.9495

Previews

White Background



This preview shows how the XYZ color 36.6920, 41.5864, 63.2198 looks on a white background.

Color Contrast Check

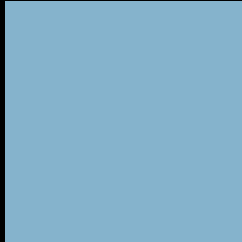
Large Text (above 18pt) WCAG AA × Fail

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 36.6920, 41.5864, 63.2198 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

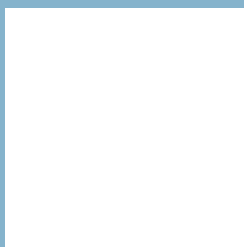
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6920, 41.5864, 63.2198

Background



This preview shows how black text looks on a background with the XYZ color 36.6920, 41.5864, 63.2198.



This preview shows how white text looks on a background with the XYZ color 36.6920, 41.5864,

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

36.6920, 41.5864, 63.2198

Protanopia

40.8081, 41.4648, 59.8855

Deuteranopia

42.1565, 41.2322, 64.1292



Tritanopia

35.7343, 41.8132, 57.8171

Trichromacy



Original Color

36.6920, 41.5864, 63.2198

Protanomaly

39.1962, 41.4577, 61.1946

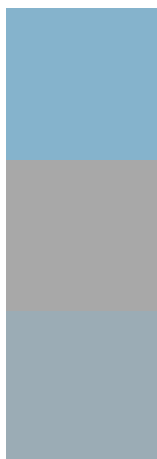
Deuteranomaly

39.8725, 41.1819, 63.6050

Tritanomaly

36.0300, 41.6253, 59.5616

Monochromacy



Original Color

36.6920, 41.5864, 63.2198

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.6106, 39.8098, 49.4705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6920, 41.5864, 63.2198 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(133, 179, 204)` looks like.

```
.text, #text, p{  
    color:rgb(133, 179, 204)  
}
```

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(133, 179, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 179, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.6920, 41.5864, 63.2198 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(133, 179, 204) }
```


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

```
.border{ border-color:rgb(133, 179, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 179, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 179, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 179, 204);  
box-shadow:4px 4px 4px 4px rgb(133, 179,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6920, 41.5864, 63.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 179, 204) }
```

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

```
.background{ background-color: rgb(133,  
179, 204) }
```

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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