

Converting Colors

XYZ(36.9676, 43.0064, 60.3113)

Have a look what the booklet for
XYZ(36.9676, 43.0064, 60.3113)
contains.

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Color

**XYZ(36.9152, 42.9770,
60.3826)**

Conversions

Conversions Part 1

Format	Color
Hex	85B7C7
RGB	133, 183, 199
RGB Percent	52%, 72%, 78%
CMY	0.4784, 0.2823, 0.2196
CMYK	0.33, 0.08, 0.00, 0.22
HSL	195°, 37%, 65%
HSV	195°, 33%, 78%
XYZ	36.9152, 42.9770, 60.3826
YIQ	169.8740, -34.9360, -5.6240

Conversions

Conversions Part 2

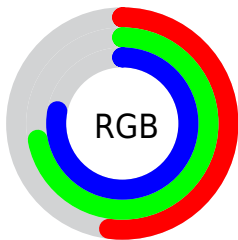
Format	Color
RYB	133, 161, 199
Decimal	8763335
CIELab	71.54, -12.52, -13.39
CIElCh	72, 18.330, 226.912
Yxy	42.9770, 0.2632, 0.3064
Android (android.graphics.Color)	4286953415 (0xFF85B7C7)
YUV	169.8740, 14.3591, -32.3385
Hunter-Lab	65.5568, -14.2107, -8.7206

Details

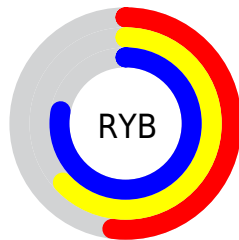
The XYZ color **36.9152, 42.9770, 60.3826** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5351, 35.3312, 26.9801**, and the grayscale version is **38.0900, 40.0737, 43.6402**.

A 20% lighter version of the original color is **69.6555, 79.6444, 106.3094**, and **16.4017, 19.7151, 29.7290** is the 20% darker color. If you saturate the color by 10%, you get **33.0884, 39.5534, 59.9242**, and if you desaturate by 10%, it is **41.3739, 46.7791, 60.8822**.

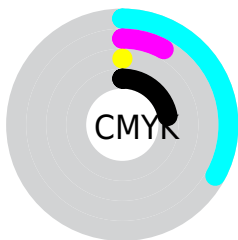
Distribution



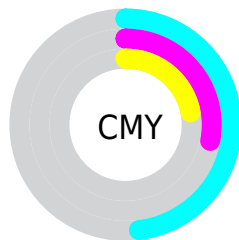
- Red (52%)
- Green (72%)
- Blue (78%)



- Red (52%)
- Yellow (63%)
- Blue (78%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9152, 42.9770, 60.3826 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 36.9152, 42.9770, 60.3826 by changing the saturation by 10% instead.

■ 36.9152, 42.9770,
60.3826

■ 36.9152, 42.9770,
60.3826

324.3051,
358.5172, 443.8503

■ 25.3152, 29.8671,
43.2998

■ 69.7570, 79.6762,
106.9333

■ 16.4420, 19.7377,
29.7873

■ 91.7296, 104.0342,
137.2382

■ 9.9303, 12.2045,
19.4265

■ 117.8903,
132.9103, 172.7876

■ 5.4147, 6.8831,
11.7989

148.6047,
166.6890, 214.0000

■ 2.5298, 3.3891,
6.4860

184.2380,
205.7547, 261.2939

■ 0.9103, 1.3381,
3.0693

225.1556,

■ 0.0000, 0.1704,

250.4916, 315.0879

1.1301

271.7229,
301.2843, 375.8005

■ 0.0000, 0.0000,
0.0000

■ 36.9152, 42.9770,
60.3826

■ 36.9152, 42.9770,
60.3826

■ 33.0884, 39.5534,
59.9242

■ 41.3739, 46.7791,
60.8822

■ 29.8556, 36.4850,
59.5023

■ 46.4920, 50.9712,
61.4216

■ 27.1806, 33.7539,
59.1162

■ 52.3001, 55.5706,
62.0033

■ 25.0217, 31.3379,
58.7636

■ 58.8254, 60.5919,
62.6285

■ 23.3306, 29.2117,
58.4423

■ 66.0940, 66.0489,
63.2988

■ 22.0495, 27.3449,
58.1495

■ 74.1304, 71.9547,
64.0151

■ 21.3374, 26.1805,
57.9623

■ 76.3026, 74.8908,
64.4674

■ 77.5625, 77.4107,
64.8874

■ 78.8591, 80.0038,
65.3195

Harmonies

Analogous

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



35.4134, 42.9770, 51.9316



36.9152, 42.9770, 60.3826



39.5151, 42.9770, 65.4426

Triad

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



36.9152, 42.9770, 60.3826



46.9254, 42.9770, 50.7624



39.1409, 42.9770, 32.3049

Complementary

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



36.9152, 42.9770, 60.3826



38.5351, 35.3312, 26.9801

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.



42.2113, 42.9770, 32.0754



36.9152, 42.9770, 60.3826



46.8127, 42.9770, 42.0082

Square

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



36.9152, 42.9770, 60.3826



45.3519, 42.9770, 59.4340



45.0514, 42.9770, 35.4153



36.6532, 42.9770, 36.0877

Rectangle

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



36.9152, 42.9770, 60.3826



41.5690, 42.9770, 65.8422



45.0514, 42.9770, 35.4153



40.1361, 42.9770, 31.8281

Sweetspot

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



36.9165, 42.9787, 60.3836



84.3426, 91.5997, 107.8429



35.4744, 47.9851, 35.5769



17.7525, 19.3663, 23.0524



0.0000, 0.0000, 0.0000



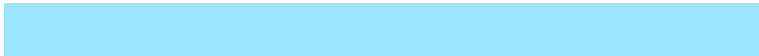
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9165, 42.9787, 60.3836



59.5603, 70.7391, 105.1226



30.9852, 31.1160, 58.4065



10.7205, 11.6151, 13.5944



13.7914, 16.9767, 37.2943



0.7069, 0.9115, 1.7838

Inverse Universe

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



40.4891, 32.3373, 48.9092



66.9528, 49.7711, 81.1435



44.3931, 47.0472, 28.9328



10.9689, 10.7710, 12.8198



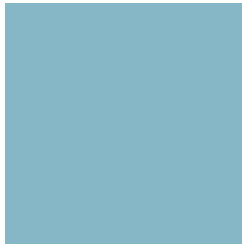
18.7606, 9.2538, 19.7470



0.9155, 0.4490, 1.0781

Previews

White Background



This preview shows how the XYZ color 36.9152, 42.9770, 60.3826 looks on a white background.

Color Contrast Check

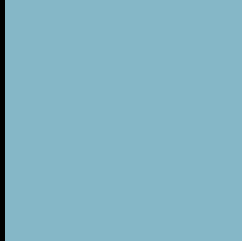
Large Text (above 18pt) WCAG AA × Fail

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 36.9152, 42.9770, 60.3826 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 36.9152, 42.9770, 60.3826

Background



This preview shows how black text looks on a background with the XYZ color 36.9152, 42.9770, 60.3826.



This preview shows how white text looks on a background with the XYZ color 36.9152, 42.9770,

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

36.9152, 42.9770, 60.3826

Protanopia

41.5825, 42.5081, 56.4653

Deuteranopia

43.6258, 42.5974, 61.7999



Tritanopia

36.7994, 42.9307, 59.7730

Trichromacy



Original Color

36.9152, 42.9770, 60.3826

Protanomaly

39.6730, 42.6535, 57.7717

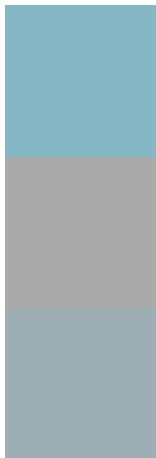
Deuteranomaly

40.7729, 42.5584, 61.3240

Tritanomaly

36.7994, 42.9307, 59.7730

Monochromacy



Original Color

36.9152, 42.9770, 60.3826

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5751, 41.1642, 49.6811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9152, 42.9770, 60.3826 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, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(133, 183, 199)  
}
```

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, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 183, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.9152, 42.9770, 60.3826 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, 183, 199) }
```


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

```
.border{ border-color:rgb(133, 183, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(133, 183,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9152, 42.9770, 60.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 183, 199) }
```

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

```
.background{ background-color: rgb(133,  
183, 199) }
```

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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