

Converting Colors

XYZ(36.9343, 44.9390, 63.3168)

Have a look what the booklet for
XYZ(36.9343, 44.9390, 63.3168)
contains.

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Color

**XYZ(36.8622, 44.7719,
63.1989)**

Conversions

Conversions Part 1

Format	Color
Hex	79BDCB
RGB	121, 189, 203
RGB Percent	47%, 74%, 80%
CMY	0.5255, 0.2588, 0.2039
CMYK	0.40, 0.07, 0.00, 0.20
HSL	190°, 44%, 64%
HSV	190°, 40%, 80%
XYZ	36.8622, 44.7719, 63.1989
YIQ	170.2640, -45.0220, -10.0620

Conversions

Conversions Part 2

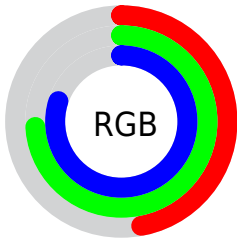
Format	Color
RYB	121, 158, 203
Decimal	7978443
CIELab	72.74, -17.88, -13.83
CIELCh	73, 22.602, 217.725
Yxy	44.7719, 0.2545, 0.3091
Android (android.graphics.Color)	4286168523 (0xFF79BDCB)
YUV	170.2640, 16.1388, -43.2045
Hunter-Lab	66.9118, -18.7587, -9.1618

Details

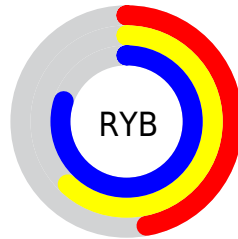
The XYZ color **36.8622, 44.7719, 63.1989** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7445, 31.4056, 22.2155**, and the grayscale version is **38.2793, 40.2728, 43.8571**.

A 20% lighter version of the original color is **68.8339, 81.8719, 106.7827**, and **16.4757, 20.9365, 31.6066** is the 20% darker color. If you saturate the color by 10%, you get **33.5750, 41.9848, 62.8350**, and if you desaturate by 10%, it is **40.7685, 47.9067, 63.5989**.

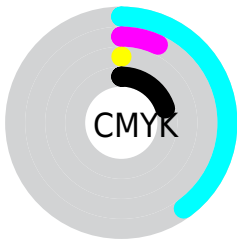
Distribution



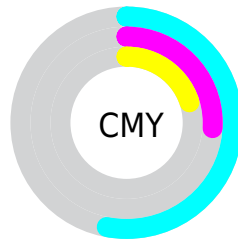
- Red (47%)
- Green (74%)
- Blue (80%)



- Red (47%)
- Yellow (62%)
- Blue (80%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8622, 44.7719, 63.1989 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 36.8622, 44.7719, 63.1989 by changing the saturation by 10% instead.

■ 36.8622, 44.7719,
63.1989

■ 36.8622, 44.7719,
63.1989

324.0794,
365.8490, 454.4188

■ 25.2740, 31.2778,
45.5601

■ 69.6760, 82.3780,
111.0448

■ 16.4111, 20.8105,
31.5527

■ 91.6323, 107.2588,
142.0889

■ 9.9082, 12.9855,
20.7581

■ 117.7754,
136.7040, 178.4386

■ 5.4000, 7.4186,
12.7578

148.4706,
171.0979, 220.5123

■ 2.5209, 3.7252,
7.1332

184.0832,
210.8250, 268.7287

■ 0.9058, 1.5211,
3.4658

224.9787,

■ 0.0000, 0.3035,

256.2696, 323.5062

1.3371

271.5223,
307.8161, 385.2634

■ 0.0000, 0.0000,
0.0919

■ 0.0000, 0.0000,
0.0000

■ 36.8622, 44.7719,
63.1989

■ 36.8622, 44.7719,
63.1989

■ 33.5750, 41.9848,
62.8350

■ 40.7685, 47.9067,
63.5989

■ 30.8648, 39.5205,
62.5022

■ 45.3246, 51.4020,
64.0334

■ 28.6908, 37.3586,
62.1994

■ 50.5638, 55.2762,
64.5051

■ 27.0046, 35.4741,
61.9246

■ 56.5161, 59.5451,
65.0153

■ 25.7490, 33.8373,
61.6748

■ 63.2094, 64.2231,
65.5655

■ 24.8464, 32.4453,
61.4537

■ 70.6705, 69.3242,
66.1569

■ 75.8797, 73.2920,
66.6482

■ 76.7622, 75.0569,
66.9423

■ 77.6634, 76.8593,
67.2427

Harmonies

Analogous

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



35.5084, 44.7719, 51.7110



36.8622, 44.7719, 63.1989



39.7585, 44.7719, 71.5985

Triad

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



36.8622, 44.7719, 63.1989



49.9237, 44.7719, 57.4053



41.5484, 44.7719, 30.3216

Complementary

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



36.8622, 44.7719, 63.1989



36.7445, 31.4056, 22.2155

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.



45.4783, 44.7719, 31.3653



36.8622, 44.7719, 63.1989



50.4757, 44.7719, 45.9023

Square

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



36.8622, 44.7719, 63.1989



47.3390, 44.7719, 67.9115



48.8042, 44.7719, 36.6888



38.1035, 44.7719, 33.5798

Rectangle

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



36.8622, 44.7719, 63.1989



42.2556, 44.7719, 73.6795



48.8042, 44.7719, 36.6888



42.8545, 44.7719, 30.1914

Sweetspot

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



36.8636, 44.7736, 63.1999



83.0307, 91.3635, 107.8665



33.5918, 48.5176, 30.3943



17.5149, 19.3670, 23.0650



0.0000, 0.0000, 0.0000



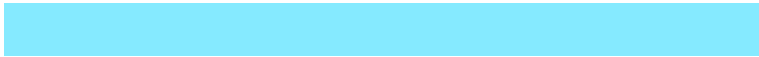
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8636, 44.7736, 63.1999



57.1125, 71.0795, 105.3173



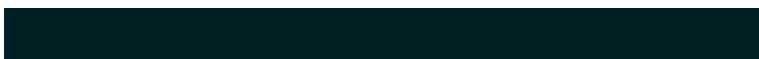
29.3080, 29.6624, 60.6814



11.3740, 12.3884, 14.3621



15.8704, 20.7649, 39.1278



0.8629, 1.1596, 2.0333

Inverse Universe

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



40.6524, 30.0465, 51.8029



64.4392, 43.8723, 82.9928



43.5408, 44.9981, 24.4809



11.6021, 11.3696, 13.7054



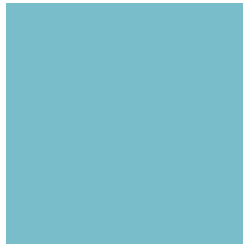
20.2216, 9.8992, 24.6832



1.0655, 0.5196, 1.3908

Previews

White Background



This preview shows how the XYZ color 36.8622, 44.7719, 63.1989 looks on a white background.

Color Contrast Check

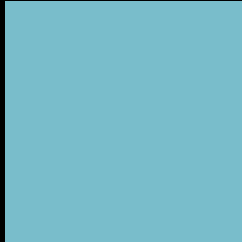
Large Text (above 18pt) WCAG AA × Fail

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 36.8622, 44.7719, 63.1989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

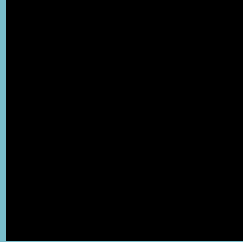
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8622, 44.7719, 63.1989

Background



This preview shows how black text looks on a background with the XYZ color 36.8622, 44.7719, 63.1989.



This preview shows how white text looks on a background with the XYZ color 36.8622, 44.7719,

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

36.8622, 44.7719, 63.1989

Protanopia

43.2802, 44.2209, 57.8841

Deuteranopia

45.1402, 44.1671, 64.5385



Tritanopia

36.9818, 44.8198, 63.8287

Trichromacy



Original Color

36.8622, 44.7719, 63.1989

Protanomaly

40.4272, 44.1929, 59.8254

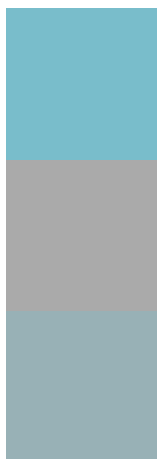
Deuteranomaly

41.4376, 44.0189, 64.0701

Tritanomaly

36.9818, 44.8198, 63.8287

Monochromacy



Original Color

36.8622, 44.7719, 63.1989

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.1145, 41.4971, 50.3096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8622, 44.7719, 63.1989 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(121, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(121, 189, 203)  
}
```

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(121, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 189, 203) }
```

Border

The CSS property to change the border of an element to XYZ 36.8622, 44.7719, 63.1989 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(121, 189, 203) }
```


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

```
.border{ border-color:rgb(121, 189, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 189, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 189, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 189, 203);  
box-shadow:4px 4px 4px 4px rgb(121, 189,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8622, 44.7719, 63.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 189, 203) }
```

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

```
.background{ background-color: rgb(121,  
189, 203) }
```

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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