

Converting Colors

XYZ(37.8930, 43.9056, 63.1030)

Have a look what the booklet for
XYZ(37.8930, 43.9056, 63.1030)
contains.

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Color

**XYZ(37.9600, 44.0781,
63.0071)**

Conversions

Conversions Part 1

Format	Color
Hex	86B9CB
RGB	134, 185, 203
RGB Percent	53%, 73%, 80%
CMY	0.4745, 0.2745, 0.2039
CMYK	0.34, 0.09, 0.00, 0.20
HSL	196°, 40%, 66%
HSV	196°, 34%, 80%
XYZ	37.9600, 44.0781, 63.0071
YIQ	171.8030, -36.1740, -5.2140

Conversions

Conversions Part 2

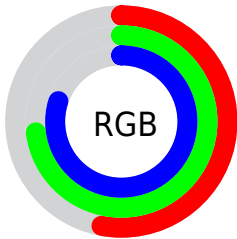
Format	Color
RYB	134, 163, 203
Decimal	8829387
CIELab	72.28, -12.31, -14.46
CIELCh	72, 18.985, 229.589
Yxy	44.0781, 0.2617, 0.3039
Android (android.graphics.Color)	4287019467 (0xFF86B9CB)
YUV	171.8030, 15.3801, -33.1532
Hunter-Lab	66.3913, -14.1254, -9.7938

Details

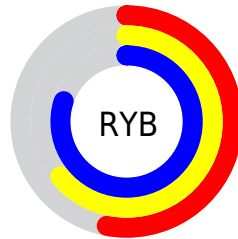
The XYZ color **37.9600, 44.0781, 63.0071** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1606, 36.8747, 27.5563**, and the grayscale version is **39.0521, 41.0858, 44.7425**.

A 20% lighter version of the original color is **70.4916, 80.9494, 106.5172**, and **17.0694, 20.4218, 31.4759** is the 20% darker color. If you saturate the color by 10%, you get **33.9429, 40.3943, 62.5085**, and if you desaturate by 10%, it is **42.6421, 48.1681, 63.5505**.

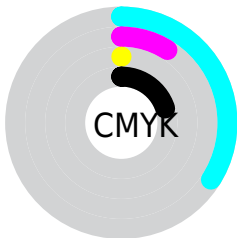
Distribution



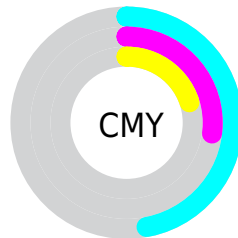
- Red (53%)
- Green (73%)
- Blue (80%)



- Red (53%)
- Yellow (64%)
- Blue (80%)



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (47%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9600, 44.0781, 63.0071 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 37.9600, 44.0781, 63.0071 by changing the saturation by 10% instead.

■ 37.9600, 44.0781,
63.0071

■ 37.9600, 44.0781,
63.0071

328.7322,
363.0269, 453.7039

■ 26.1287, 30.7319,
45.4059

■ 71.3511, 81.3353,
110.7654

■ 17.0531, 20.3948,
31.4320

■ 93.6417, 106.0150,
141.7597

■ 10.3679, 12.6823,
20.6668

■ 120.1493,
135.2414, 178.0553

■ 5.7077, 7.2102,
12.6918

151.2395,
169.3988, 220.0709

■ 2.7071, 3.5939,
7.0884

187.2775,
208.8717, 268.2251

■ 1.0009, 1.4491,
3.4382

228.6287,

■ 0.0000, 0.2525,

254.0444, 322.9362

1.3225

275.6585,
305.3013, 384.6230

■ 0.0000, 0.0000,
0.0801

■ 0.0000, 0.0000,
0.0000

■ 37.9600, 44.0781,
63.0071

■ 37.9600, 44.0781,
63.0071

■ 33.9429, 40.3943,
62.5085

■ 42.6421, 48.1681,
63.5505

■ 30.5507, 37.0921,
62.0499

■ 48.0184, 52.6768,
64.1374

■ 27.7450, 34.1522,
61.6304

■ 54.1211, 57.6226,
64.7704

■ 25.4813, 31.5510,
61.2476

■ 60.9795, 63.0211,
65.4510

■ 23.7081, 29.2612,
60.8991

■ 68.6207, 68.8869,
66.1804

■ 22.3634, 27.2502,
60.5818

■ 76.7744, 75.0813,
66.9463

■ 21.6939, 26.1404,
60.4029

■ 78.1594, 77.8513,
67.4080

■ 79.5886, 80.7097,
67.8844

■ 81.0623, 83.6572,
68.3757

Harmonies

Analogous

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



36.2606, 44.0781, 54.2699



37.9600, 44.0781, 63.0071



40.7720, 44.0781, 67.9117

Triad

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



37.9600, 44.0781, 63.0071



48.3698, 44.0781, 51.3124



39.8275, 44.0781, 32.9848

Complementary

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



37.9600, 44.0781, 63.0071



40.1606, 36.8747, 27.5563

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.



43.0383, 44.0781, 32.4090



37.9600, 44.0781, 63.0071



48.0846, 44.0781, 42.2208

Square

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



37.9600, 44.0781, 63.0071



46.8531, 44.0781, 60.6020



46.0928, 44.0781, 35.5772



37.2995, 44.0781, 37.2677

Rectangle

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



37.9600, 44.0781, 63.0071



42.9482, 44.0781, 67.9681



46.0928, 44.0781, 35.5772



40.8590, 44.0781, 32.3746

Sweetspot

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



37.9613, 44.0798, 63.0081



84.1975, 91.3097, 107.7946



36.7947, 50.0236, 37.1021



17.7173, 19.2958, 23.0406



0.0000, 0.0000, 0.0000



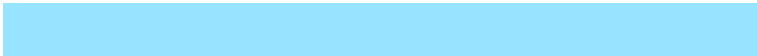
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9613, 44.0798, 63.0081



58.3795, 69.0845, 104.8655



31.7190, 31.5951, 60.9273



11.2860, 12.2125, 14.3328



13.8830, 16.7900, 38.4653



0.7757, 0.9851, 2.0042

Inverse Universe

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



41.9118, 33.2507, 50.1099



66.1843, 48.8030, 79.1332



46.4388, 49.4313, 29.6490



11.5577, 11.3518, 13.4716



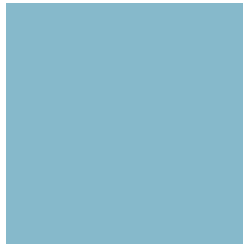
19.2184, 9.4979, 19.4006



1.0215, 0.5020, 1.1589

Previews

White Background



This preview shows how the XYZ color 37.9600, 44.0781, 63.0071 looks on a white background.

Color Contrast Check

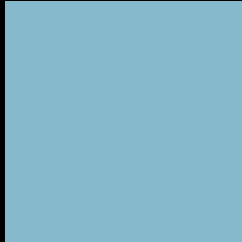
Large Text (above 18pt) WCAG AA × Fail

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 37.9600, 44.0781, 63.0071 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

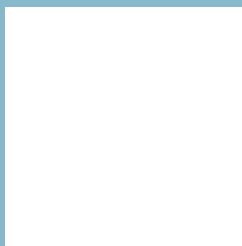
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9600, 44.0781, 63.0071

Background



This preview shows how black text looks on a background with the XYZ color 37.9600, 44.0781, 63.0071.



This preview shows how white text looks on a background with the XYZ color 37.9600, 44.0781,

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

37.9600, 44.0781, 63.0071

Protanopia

42.8636, 43.6898, 58.9972

Deuteranopia

44.7155, 43.6646, 64.4639



Tritanopia

37.4472, 43.8546, 61.1347

Trichromacy



Original Color

37.9600, 44.0781, 63.0071

Protanomaly

40.7270, 43.7346, 60.3279

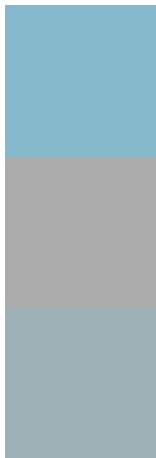
Deuteranomaly

41.8458, 43.6386, 63.9752

Tritanomaly

37.5644, 43.9015, 61.7523

Monochromacy



Original Color

37.9600, 44.0781, 63.0071

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3699, 42.1323, 50.9098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9600, 44.0781, 63.0071 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(134, 185, 203)` looks like.

```
.text, #text, p{  
    color:rgb(134, 185, 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(134, 185, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 185, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.9600, 44.0781, 63.0071 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(134, 185, 203) }
```


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

```
.border{ border-color:rgb(134, 185, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 185, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 185, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 185, 203);  
box-shadow:4px 4px 4px 4px rgb(134, 185,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9600, 44.0781, 63.0071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 185, 203) }
```

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

```
.background{ background-color: rgb(134,  
185, 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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