

Converting Colors

XYZ(38.0915, 43.2860, 66.8081)

Have a look what the booklet for
XYZ(38.0915, 43.2860, 66.8081)
contains.

XYZ(37.9094, 43.0459, 66.6322)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9094, 43.0459,
66.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	85B6D1
RGB	133, 182, 209
RGB Percent	52%, 71%, 82%
CMY	0.4784, 0.2863, 0.1804
CMYK	0.36, 0.13, 0.00, 0.18
HSL	201°, 45%, 67%
HSV	201°, 36%, 82%
XYZ	37.9094, 43.0459, 66.6322
YIQ	170.4270, -37.8710, -1.9910

Conversions

Conversions Part 2

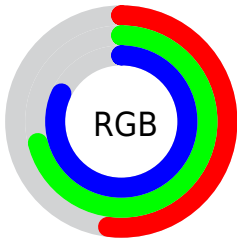
Format	Color
RYB	133, 163, 209
Decimal	8763089
CIELab	71.59, -9.48, -18.79
CIElCh	72, 21.044, 243.235
Yxy	43.0459, 0.2569, 0.2917
Android (android.graphics.Color)	4286953169 (0xFF85B6D1)
YUV	170.4270, 19.0165, -32.8235
Hunter-Lab	65.6094, -11.6783, -14.2877

Details

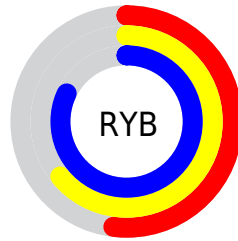
The XYZ color **37.9094, 43.0459, 66.6322** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **43.0996, 40.3909, 27.7160**, and the grayscale version is **38.3442, 40.3411, 43.9314**.

A 20% lighter version of the original color is **69.3636, 79.0604, 106.2121**, and **17.0749, 19.7725, 33.9269** is the 20% darker color. If you saturate the color by 10%, you get **33.4521, 38.5512, 66.0003**, and if you desaturate by 10%, it is **43.1066, 48.0436, 67.3237**.

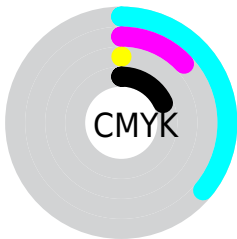
Distribution



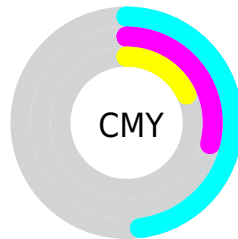
- Red (52%)
- Green (71%)
- Blue (82%)



- Red (52%)
- Yellow (64%)
- Blue (82%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9094, 43.0459, 66.6322 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 37.9094, 43.0459, 66.6322 by changing the saturation by 10% instead.

■ 37.9094, 43.0459,
66.6322

■ 37.9094, 43.0459,
66.6322

328.5187,
358.8005, 467.1003

■ 26.0893, 29.9211,
48.3261

■ 71.2740, 79.7801,
116.0289

■ 17.0235, 19.7787,
33.7234

■ 93.5493, 104.1584,
147.9565

■ 10.3466, 12.2343,
22.4055

■ 120.0402,
133.0565, 185.2617

■ 5.6934, 6.9035,
13.9540

151.1123,
166.8591, 228.3630

■ 2.6984, 3.4018,
7.9503

187.1309,
205.9503, 277.6790

■ 0.9964, 1.3449,
3.9758

228.4612,

■ 0.0000, 0.1756,

250.7147, 333.6282

1.6121

275.4687,
301.5367, 396.6291

■ 0.0000, 0.0000,
0.2994

■ 0.0000, 0.0000,
0.0000

■ 37.9094, 43.0459,
66.6322

■ 37.9094, 43.0459,
66.6322

■ 33.4521, 38.5512,
66.0003

■ 43.1066, 48.0436,
67.3237

■ 29.6901, 34.5319,
65.4228

■ 49.0766, 53.5603,
68.0739

■ 26.5804, 30.9648,
64.8982

■ 55.8554, 59.6171,
68.8857

■ 24.0727, 27.8221,
64.4237

■ 63.4753, 66.2325,
69.7609

■ 22.1086, 25.0718,
63.9964

■ 71.9667, 73.4238,
70.7015

■ 20.6145, 22.6737,
63.6123

■ 80.0952, 80.5564,
71.6498

■ 20.1386, 21.8632,
63.4809

■ 82.1646, 84.6952,
72.3396

■ 84.3226, 89.0113,
73.0589

■ 86.5703, 93.5066,
73.8081

Harmonies

Analogous

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



35.4537, 43.0459, 58.4502



37.9094, 43.0459, 66.6322



41.3012, 43.0459, 69.2814

Triad

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



37.9094, 43.0459, 66.6322



48.1321, 43.0459, 45.7726



37.2774, 43.0459, 32.3162

Complementary

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



37.9094, 43.0459, 66.6322



43.0996, 40.3909, 27.7160

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.



40.5290, 43.0459, 29.9019



37.9094, 43.0459, 66.6322



46.9076, 43.0459, 36.9297

Square

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



37.9094, 43.0459, 66.6322



47.3318, 43.0459, 56.2592



44.0730, 43.0459, 31.4609



35.1040, 43.0459, 38.5877

Rectangle

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



37.9094, 43.0459, 66.6322



43.6728, 43.0459, 67.2792



44.0730, 43.0459, 31.4609



38.2736, 43.0459, 31.0714

Sweetspot

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



37.9107, 43.0476, 66.6332



82.3759, 88.8690, 107.4195



38.7845, 53.1124, 41.2832



17.3215, 18.7440, 22.9550



0.0000, 0.0000, 0.0000



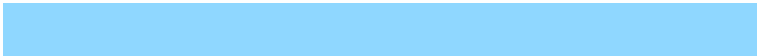
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9107, 43.0476, 66.6332



53.6797, 61.7150, 103.6907



31.2165, 29.6590, 64.4018



11.7903, 12.6709, 15.0680



12.5127, 13.6720, 39.1720



0.7730, 0.9111, 2.2147

Inverse Universe

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



43.1266, 33.7089, 48.4913



63.3164, 45.7585, 69.8807



50.6317, 55.4552, 30.2267



12.1251, 11.9348, 13.9344



18.9466, 9.4515, 15.1566



1.0964, 0.5433, 1.0424

Previews

White Background



This preview shows how the XYZ color 37.9094, 43.0459, 66.6322 looks on a white background.

Color Contrast Check

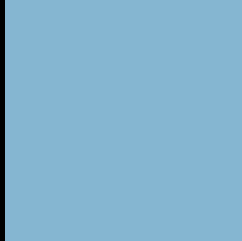
Large Text (above 18pt) WCAG AA × Fail

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 37.9094, 43.0459, 66.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

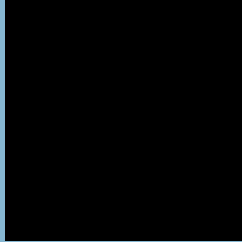
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9094, 43.0459, 66.6322

Background



This preview shows how black text looks on a background with the XYZ color 37.9094, 43.0459, 66.6322.



This preview shows how white text looks on a background with the XYZ color 37.9094, 43.0459,

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

37.9094, 43.0459, 66.6322

Protanopia

42.0852, 42.6340, 62.5110

Deuteranopia

43.7763, 42.8276, 67.5873



Tritanopia

36.6552, 43.1503, 60.4297

Trichromacy



Original Color

37.9094, 43.0459, 66.6322

Protanomaly

40.2551, 42.5264, 63.8443

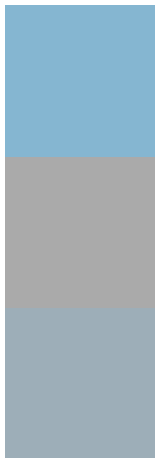
Deuteranomaly

41.2609, 42.6840, 67.0369

Tritanomaly

37.0731, 43.0041, 62.8466

Monochromacy



Original Color

37.9094, 43.0459, 66.6322

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.6924, 40.9009, 51.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9094, 43.0459, 66.6322 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, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 209)  
}
```

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, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 209) }
```

Border

The CSS property to change the border of an element to XYZ 37.9094, 43.0459, 66.6322 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, 182, 209) }
```


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

```
.border{ border-color:rgb(133, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 182,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9094, 43.0459, 66.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 209) }
```

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

```
.background{ background-color: rgb(133,  
182, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor