

Converting Colors

XYZ(37.2455, 43.3864, 63.5381)

Have a look what the booklet for
XYZ(37.2455, 43.3864, 63.5381)
contains.

XYZ(37.2455, 43.3864, 63.5381)	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(37.2455, 43.3864,
63.5381)**

Conversions

Conversions Part 1

Format	Color
Hex	82B8CC
RGB	130, 184, 204
RGB Percent	51%, 72%, 80%
CMY	0.4902, 0.2784, 0.2000
CMYK	0.36, 0.10, 0.00, 0.20
HSL	196°, 42%, 65%
HSV	196°, 36%, 80%
XYZ	37.2455, 43.3864, 63.5381
YIQ	170.1340, -38.6040, -5.2280

Conversions

Conversions Part 2

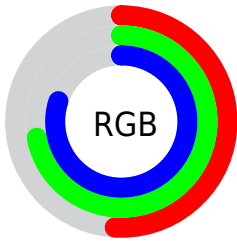
Format	Color
R _{YB}	130, 161, 204
Decimal	8566988
CIE Lab	71.82, -12.63, -15.72
CIE LCh	72, 20.168, 231.223
Yxy	43.3864, 0.2583, 0.3009
Android (android.graphics.Color)	4286757068 (0xFF82B8CC)
YUV	170.1340, 16.6959, -35.1975
Hunter-Lab	65.8684, -14.3361, -11.0846

Details

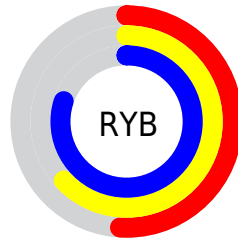
The XYZ color **37.2455, 43.3864, 63.5381** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8382, 36.2625, 26.0200**, and the grayscale version is **38.2095, 40.1994, 43.7771**.

A 20% lighter version of the original color is **69.2177, 79.8545, 106.3730**, and **16.6819, 20.0124, 31.8377** is the 20% darker color. If you saturate the color by 10%, you get **33.2985, 39.6855, 63.0325**, and if you desaturate by 10%, it is **41.8602, 47.4998, 64.0896**.

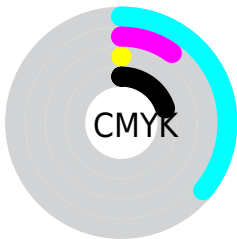
Distribution



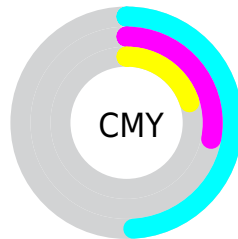
- Red (51%)
- Green (72%)
- Blue (80%)



- Red (51%)
- Yellow (63%)
- Blue (80%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2455, 43.3864, 63.5381 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 37.2455, 43.3864, 63.5381 by changing the saturation by 10% instead.

■ 37.2455, 43.3864,
63.5381

■ 37.2455, 43.3864,
63.5381

325.7093,
360.1984, 455.6813

■ 25.5722, 30.1884,
45.8329

■ 70.2616, 80.2936,
111.5385

■ 16.6349, 19.9816,
31.7662

■ 92.3351, 104.7717,
142.6708

■ 10.0682, 12.3817,
20.9197

■ 118.6060,
133.7785, 179.1158

■ 5.5068, 7.0042,
12.8746

149.4396,
167.6985, 221.2922

■ 2.5854, 3.4647,
7.2126

185.2015,
206.9161, 269.6183

■ 0.9385, 1.3789,
3.5149

226.2568,

■ 0.0000, 0.2011,

251.8157, 324.5129

1.3632

272.9709,
302.7817, 386.3944

■ 0.0000, 0.0000,
0.1128

■ 0.0000, 0.0000,
0.0000

■ 37.2455, 43.3864,
63.5381

■ 37.2455, 43.3864,
63.5381

■ 33.2985, 39.6855,
63.0325

■ 41.8602, 47.4998,
64.0896

■ 29.9777, 36.3719,
62.5680

■ 47.1728, 52.0390,
64.6858

■ 27.2433, 33.4254,
62.1433

■ 53.2166, 57.0229,
65.3292

■ 25.0489, 30.8212,
61.7563

■ 60.0213, 62.4675,
66.0214

■ 23.3402, 28.5306,
61.4043

■ 67.6151, 68.3879,
66.7640

■ 22.0488, 26.5176,
61.0838

■ 76.0247, 74.7988,
67.5582

■ 21.6260, 25.8133,
60.9701

■ 78.4189, 78.1791,
68.0844

■ 79.9125, 81.1662,
68.5823

■ 81.4544, 84.2501,
69.0963

Harmonies

Analogous

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



35.3932, 43.3864, 54.4087



37.2455, 43.3864, 63.5381



40.2398, 43.3864, 68.4605

Triad

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



37.2455, 43.3864, 63.5381



48.1008, 43.3864, 50.1799



38.8971, 43.3864, 31.7378

Complementary

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



37.2455, 43.3864, 63.5381



39.8382, 36.2625, 26.0200

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.



42.2515, 43.3864, 30.9322



37.2455, 43.3864, 63.5381



47.6921, 43.3864, 40.7311

Square

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



37.2455, 43.3864, 63.5381



46.5925, 43.3864, 60.0770



45.5050, 43.3864, 33.9991



36.3093, 43.3864, 36.3764

Rectangle

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



37.2455, 43.3864, 63.5381



42.5337, 43.3864, 68.2815



45.5050, 43.3864, 33.9991



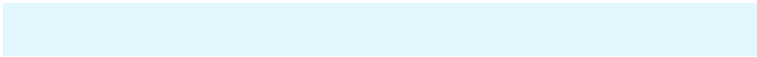
39.9679, 43.3864, 31.0378

Sweetspot

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



37.2468, 43.3881, 63.5391



83.1020, 90.3211, 107.6615



36.2834, 50.1259, 36.5059



17.4951, 19.0910, 23.0128



0.0000, 0.0000, 0.0000



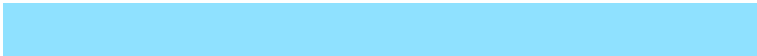
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2468, 43.3881, 63.5391



56.1813, 66.7182, 104.5246



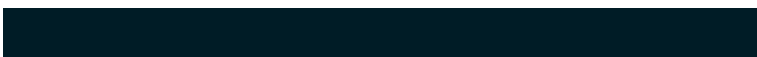
30.5814, 30.0572, 61.3173



11.2769, 12.1942, 14.3297



13.6920, 16.4080, 38.4017



0.7671, 0.9679, 2.0013

Inverse Universe

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



41.5373, 32.2646, 49.3876



64.5791, 46.2636, 76.5300



46.6458, 49.8777, 28.2892



11.5531, 11.3500, 13.4473



19.1220, 9.4594, 18.8930



1.0171, 0.5003, 1.1361

Previews

White Background



This preview shows how the XYZ color 37.2455, 43.3864, 63.5381 looks on a white background.

Color Contrast Check

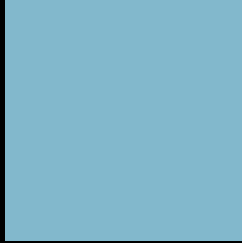
Large Text (above 18pt) WCAG AA × Fail

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 37.2455, 43.3864, 63.5381 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 37.2455, 43.3864, 63.5381

Background



This preview shows how black text looks on a background with the XYZ color 37.2455, 43.3864, 63.5381.



This preview shows how white text looks on a background with the XYZ color 37.2455, 43.3864,

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

37.2455, 43.3864, 63.5381

Protanopia

42.3424, 43.1200, 59.5174

Deuteranopia

43.9569, 42.9779, 65.0103



Tritanopia

36.8275, 43.5352, 61.1057

Trichromacy



Original Color

37.2455, 43.3864, 63.5381

Protanomaly

40.2503, 43.1790, 60.8565

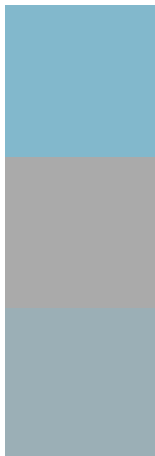
Deuteranomaly

41.1631, 42.9805, 64.5191

Tritanomaly

36.9448, 43.5821, 61.7233

Monochromacy



Original Color

37.2455, 43.3864, 63.5381

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2910, 41.0059, 50.2055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2455, 43.3864, 63.5381 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(130, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(130, 184, 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(130, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 184, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.2455, 43.3864, 63.5381 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(130, 184, 204) }
```


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

```
.border{ border-color:rgb(130, 184, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 184, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(130, 184,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2455, 43.3864, 63.5381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 184, 204) }
```

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

```
.background{ background-color: rgb(130,  
184, 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](#).

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