

Converting Colors

XYZ(32.8637, 36.7863, 80.4080)

Have a look what the booklet for
XYZ(32.8637, 36.7863, 80.4080)
contains.

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Color

**XYZ(32.8703, 36.9137,
80.2555)**

Conversions

Conversions Part 1

Format	Color
Hex	58ABE6
RGB	88, 171, 230
RGB Percent	35%, 67%, 90%
CMY	0.6549, 0.3294, 0.0980
CMYK	0.62, 0.26, 0.00, 0.10
HSL	205°, 74%, 62%
HSV	205°, 62%, 90%
XYZ	32.8703, 36.9137, 80.2555
YIQ	152.9090, -68.4070, 0.7530

Conversions

Conversions Part 2

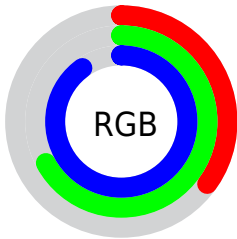
Format	Color
R _Y B	88, 140, 230
Decimal	5811174
CIE Lab	67.21, -7.71, -37.19
CIE LCh	67, 37.985, 258.285
Yxy	36.9137, 0.2191, 0.2460
Android (android.graphics.Color)	4284001254 (0xFF58ABE6)
YUV	152.9090, 38.0059, -56.9252
Hunter-Lab	60.7566, -9.7528, -35.7885

Details

The XYZ color **32.8703, 36.9137, 80.2555** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **44.8298, 38.3970, 14.2826**, and the grayscale version is **30.1014, 31.6690, 34.4875**.

A 20% lighter version of the original color is **57.6408, 68.0023, 104.6955**, and **14.2368, 16.2496, 42.4305** is the 20% darker color. If you saturate the color by 10%, you get **29.2864, 32.4831, 79.5899**, and if you desaturate by 10%, it is **37.2738, 41.9619, 80.9985**.

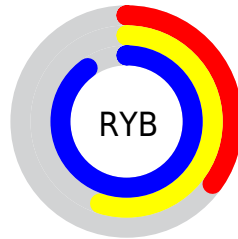
Distribution



Red (35%)

Green (67%)

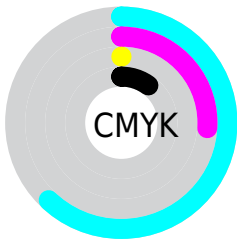
Blue (90%)



Red (35%)

Yellow (55%)

Blue (90%)

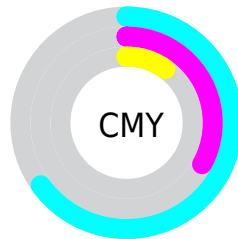


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (10%)



Cyan (65%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8703, 36.9137, 80.2555 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 32.8703, 36.9137, 80.2555 by changing the saturation by 10% instead.

■ 32.8703, 36.9137,
80.2555

■ 32.8703, 36.9137,
80.2555

306.7402,
332.9367, 515.5229

■ 22.1859, 25.1407,
59.4012

■ 63.5290, 70.4400,
135.5395

■ 14.1109, 16.1819,
42.5141

■ 84.2340, 92.9621,
170.8064

■ 8.2801, 9.6530,
29.1754

■ 109.0099,
119.8361, 211.7145

■ 4.3280, 5.1695,
18.9669

■ 138.2220,
151.4462, 258.6824

■ 1.8893, 2.3470,
11.4698

172.2358,
188.1769, 312.1286

■ 0.5706, 0.7984,
6.2656

211.4165,

■ 0.0000, 0.0000,

230.4127, 372.4718

2.9359

256.1295,
278.5378, 440.1304

■ 0.0000, 0.0000,
1.0620

■ 0.0000, 0.0000,
0.0000

■ 32.8703, 36.9137,
80.2555

■ 32.8703, 36.9137,
80.2555

■ 29.2864, 32.4831,
79.5899

■ 37.2738, 41.9619,
80.9985

■ 26.4485, 28.6262,
78.9950

■ 42.5542, 47.6591,
81.8199

■ 24.2743, 25.2969,
78.4670

■ 48.7675, 54.0389,
82.7238

■ 22.8685, 22.8840,
78.0754

■ 55.9638, 61.1306,
83.7134

■ 64.1892, 68.9618,
84.7914

■ 73.4870, 77.5582,
85.9607

■ 83.8977, 86.9443,
87.2237

■ 88.9231, 93.7733,
88.2769

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



28.1783, 36.9137, 69.0424



32.8703, 36.9137, 80.2555



38.7000, 36.9137, 78.7635

Triad

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



32.8703, 36.9137, 80.2555



46.7694, 36.9137, 30.9859



27.4051, 36.9137, 22.4724

Complementary

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



32.8703, 36.9137, 80.2555



44.8298, 38.3970, 14.2826

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.



31.7031, 36.9137, 16.8623



32.8703, 36.9137, 80.2555



43.0379, 36.9137, 20.7621

Square

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



32.8703, 36.9137, 80.2555



47.1710, 36.9137, 47.0296



37.3978, 36.9137, 16.3372



25.2634, 36.9137, 34.0528

Rectangle

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



32.8703, 36.9137, 80.2555



42.4547, 36.9137, 70.8196



37.3978, 36.9137, 16.3372



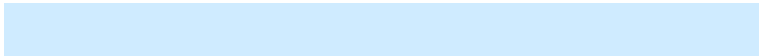
28.6223, 36.9137, 19.9812

Sweetspot

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



32.8716, 36.9150, 80.2564



73.3274, 79.7623, 106.1386



37.4180, 60.7075, 36.4547



15.0861, 16.4853, 22.6368



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.



32.8716, 36.9150, 80.2564



35.9593, 39.6732, 100.3702



23.0799, 17.3317, 76.9925



14.2793, 15.2799, 18.3411



13.0701, 13.2023, 44.2426



1.0570, 1.1579, 3.2998

Inverse Universe

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



43.4747, 26.7441, 41.4000



51.1013, 28.3498, 44.1624



58.9002, 66.5380, 18.9728



14.7285, 14.5086, 16.7709



20.9907, 10.5305, 14.1118



1.5972, 0.7966, 1.2852

Previews

White Background



This preview shows how the XYZ color 32.8703, 36.9137, 80.2555 looks on a white background.

Color Contrast Check

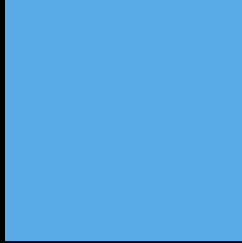
Large Text (above 18pt) WCAG AA × Fail

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 32.8703, 36.9137, 80.2555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

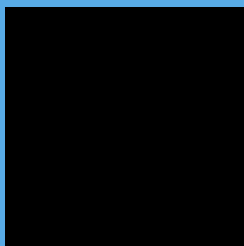
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

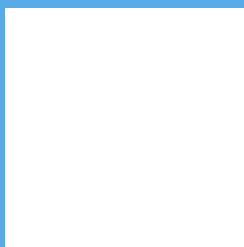
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8703, 36.9137, 80.2555

Background



This preview shows how black text looks on a background with the XYZ color 32.8703, 36.9137, 80.2555.

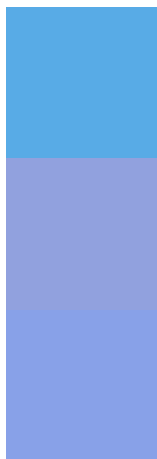


This preview shows how white text looks on a background with the XYZ color 32.8703, 36.9137,

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

32.8703, 36.9137, 80.2555

Protanopia

37.6067, 36.7834, 74.2251

Deuteranopia

37.4637, 36.5502, 81.4243



Tritanopia

27.9606, 36.9487, 55.5273

Trichromacy



Original Color

32.8703, 36.9137, 80.2555

Protanomaly

35.3579, 36.6316, 76.4412

Deuteranomaly

35.4867, 36.6017, 80.7958

Tritanomaly

29.5311, 36.6940, 63.9187

Monochromacy



Original Color

32.8703, 36.9137, 80.2555

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9646, 33.1449, 48.5344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8703, 36.9137, 80.2555 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(88, 171, 230)` looks like.

```
.text, #text, p{  
    color:rgb(88, 171, 230)  
}
```

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(88, 171, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 171, 230) }
```

Border

The CSS property to change the border of an element to XYZ 32.8703, 36.9137, 80.2555 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(88, 171, 230) }
```


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

```
.border{ border-color:rgb(88, 171, 230) }
```

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

Here you see how a box with a 4 pixel rgb(88, 171, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 171, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 171, 230);  
box-shadow:4px 4px 4px 4px rgb(88, 171,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8703, 36.9137, 80.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 171, 230) }
```

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

```
.background{ background-color: rgb(88, 171,  
230) }
```

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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