

Converting Colors

XYZ(30.8877, 35.5712, 82.2149)

Have a look what the booklet for
XYZ(30.8877, 35.5712, 82.2149)
contains.

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Color

**XYZ(30.8863, 35.5624,
82.3272)**

Conversions

Conversions Part 1

Format	Color
Hex	3BAAE9
RGB	59, 170, 233
RGB Percent	23%, 67%, 91%
CMY	0.7686, 0.3333, 0.0863
CMYK	0.75, 0.27, 0.00, 0.09
HSL	202°, 80%, 57%
HSV	202°, 75%, 91%
XYZ	30.8863, 35.5624, 82.3272
YIQ	143.9930, -86.3790, -3.9390

Conversions

Conversions Part 2

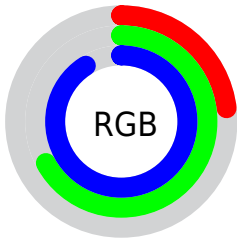
Format	Color
RYB	59, 127, 233
Decimal	3910377
CIELab	66.18, -10.49, -40.51
CIElCh	66, 41.843, 255.482
Yxy	35.5624, 0.2076, 0.2390
Android (android.graphics.Color)	4282100457 (0xFF3BAAE9)
YUV	143.9930, 43.8805, -74.5389
Hunter-Lab	59.6342, -11.9095, -40.1080

Details

The XYZ color **30.8863, 35.5624, 82.3272** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **41.3553, 31.5616, 8.0517**, and the grayscale version is **26.3622, 27.7351, 30.2035**.

A 20% lighter version of the original color is **53.8773, 65.6596, 104.4417**, and **14.4142, 16.1312, 43.9489** is the 20% darker color. If you saturate the color by 10%, you get **28.2696, 31.9409, 81.7668**, and if you desaturate by 10%, it is **34.2229, 39.7067, 82.9520**.

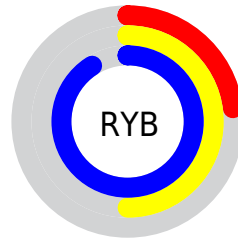
Distribution



Red (23%)

Green (67%)

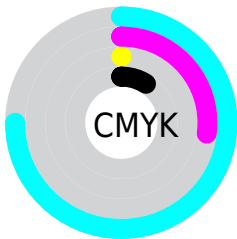
Blue (91%)



Red (23%)

Yellow (50%)

Blue (91%)

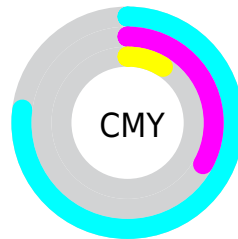


Cyan (75%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (77%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8863, 35.5624, 82.3272 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 30.8863, 35.5624, 82.3272 by changing the saturation by 10% instead.

■ 30.8863, 35.5624,
82.3272

■ 30.8863, 35.5624,
82.3272

297.8504,
327.0438, 522.6537

■ 20.6637, 24.0964,
61.0979

■ 60.4381, 68.3561,
138.4735

■ 12.9894, 15.4052,
43.8731

■ 80.4980, 90.4526,
174.2277

■ 7.4982, 9.1042,
30.2343

■ 104.5676,
116.8614, 215.6605

■ 3.8247, 4.8092,
19.7629

■ 133.0125,
147.9669, 263.1905

■ 1.6034, 2.1358,
12.0405

■ 166.1978,
184.1535, 317.2363

■ 0.3946, 0.6846,
6.6484

204.4890,

■ 0.0000, 0.0000,

225.8056, 378.2164

3.1681

248.2514,
273.3076, 446.5493

■ 0.0000, 0.0000,
1.1811

■ 0.0000, 0.0000,
0.0000

■ 30.8863, 35.5624,
82.3272

■ 30.8863, 35.5624,
82.3272

■ 28.2696, 31.9409,
81.7668

■ 34.2229, 39.7067,
82.9520

■ 26.2779, 28.7890,
81.2634

■ 38.3499, 44.4115,
83.6426

■ 25.3978, 27.2626,
81.0152

■ 43.3332, 49.7137,
84.4034

■ 49.2301, 55.6455,
85.2375

■ 56.0925, 62.2363,
86.1480

■ 63.9685, 69.5133,
87.1375

■ 72.9025, 77.5018,
88.2085

■ 82.9365, 86.2257,
89.3636

■ 88.8832, 93.0134,
90.3603

Harmonies

Analogous

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



26.0792, 35.5624, 68.6921



30.8863, 35.5624, 82.3272



37.1001, 35.5624, 82.0807

Triad

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



30.8863, 35.5624, 82.3272



46.7080, 35.5624, 30.2677



25.9597, 35.5624, 19.3060

Complementary

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



30.8863, 35.5624, 82.3272



41.3553, 31.5616, 8.0517

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.



30.7035, 35.5624, 14.1783



30.8863, 35.5624, 82.3272



42.9138, 35.5624, 19.0508

Square

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



30.8863, 35.5624, 82.3272



46.7727, 35.5624, 47.9733



36.8935, 35.5624, 14.1020



23.4811, 35.5624, 30.7427

Rectangle

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



30.8863, 35.5624, 82.3272



41.2409, 35.5624, 73.9101



36.8935, 35.5624, 14.1020



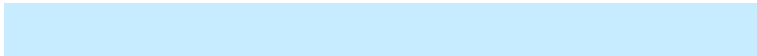
27.3144, 35.5624, 16.9666

Sweetspot

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



30.8876, 35.5636, 82.3281



71.1954, 78.5860, 106.0240



34.3282, 60.5624, 27.6206



14.7031, 16.3187, 22.6248



0.0000, 0.0000, 0.0000



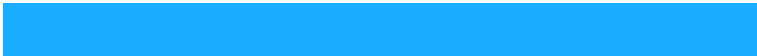
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8876, 35.5636, 82.3281



33.1970, 36.9004, 99.9806



19.7697, 13.3279, 78.6221



15.0324, 16.1513, 19.2475



14.5329, 15.7127, 46.0099



1.2320, 1.4154, 3.6431

Inverse Universe

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



42.4251, 23.3554, 40.3032



49.0353, 24.9516, 41.2116



56.6836, 62.2182, 13.1611



15.4699, 15.2158, 17.7599



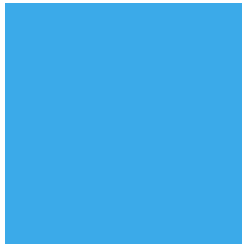
22.1908, 11.0790, 17.3380



1.7883, 0.8883, 1.6027

Previews

White Background



This preview shows how the XYZ color 30.8863, 35.5624, 82.3272 looks on a white background.

Color Contrast Check

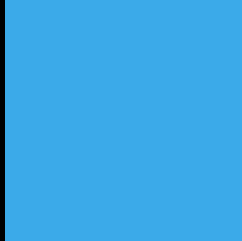
Large Text (above 18pt) WCAG AA × Fail

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 30.8863, 35.5624, 82.3272 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

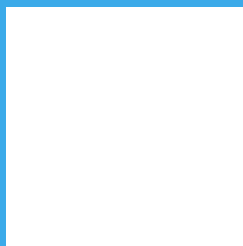
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8863, 35.5624, 82.3272

Background



This preview shows how black text looks on a background with the XYZ color 30.8863, 35.5624, 82.3272.

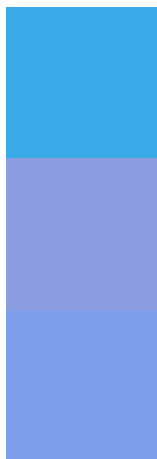


This preview shows how white text looks on a background with the XYZ color 30.8863, 35.5624,

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

30.8863, 35.5624, 82.3272

Protanopia

36.1915, 35.0171, 74.6635

Deuteranopia

36.2909, 35.3644, 84.2702



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

30.8863, 35.5624, 82.3272

Protanomaly

33.3410, 34.7662, 77.6263

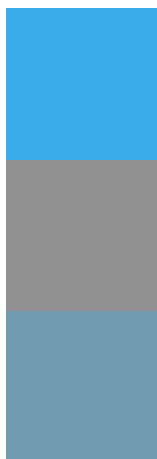
Deuteranomaly

33.5721, 35.0173, 83.5868

Tritanomaly

26.9017, 35.3244, 64.4319

Monochromacy



Original Color

30.8863, 35.5624, 82.3272

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.0378, 29.4278, 45.3821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8863, 35.5624, 82.3272 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(59, 170, 233)` looks like.

```
.text, #text, p{  
    color:rgb(59, 170, 233)  
}
```

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(59, 170, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 170, 233) }
```

Border

The CSS property to change the border of an element to XYZ 30.8863, 35.5624, 82.3272 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(59, 170, 233) }
```


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

```
.border{ border-color:rgb(59, 170, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 170, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 170, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 170, 233);  
box-shadow:4px 4px 4px 4px rgb(59, 170,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8863, 35.5624, 82.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 170, 233) }
```

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

```
.background{ background-color: rgb(59, 170,  
233) }
```

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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