

Converting Colors

XYZ(32.3558, 38.0615, 75.8144)

Have a look what the booklet for
XYZ(32.3558, 38.0615, 75.8144)
contains.

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Color

**XYZ(32.4596, 38.2263,
76.1886)**

Conversions

Conversions Part 1

Format	Color
Hex	52B0E0
RGB	82, 176, 224
RGB Percent	32%, 69%, 88%
CMY	0.6784, 0.3098, 0.1216
CMYK	0.63, 0.21, 0.00, 0.12
HSL	200°, 70%, 60%
HSV	200°, 63%, 88%
XYZ	32.4596, 38.2263, 76.1886
YIQ	153.3660, -71.4320, -5.0000

Conversions

Conversions Part 2

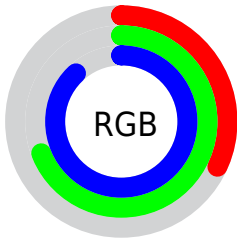
Format	Color
R _{YB}	82, 139, 224
Decimal	5419232
CIE _{Lab}	68.19, -13.38, -32.41
CIE _{LCh}	68, 35.062, 247.562
Yxy	38.2263, 0.2210, 0.2603
Android (android.graphics.Color)	4283609312 (0xFF52B0E0)
YUV	153.3660, 34.8226, -62.5880
Hunter-Lab	61.8274, -14.4849, -29.7826

Details

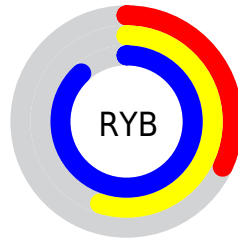
The XYZ color **32.4596, 38.2263, 76.1886** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.2477, 32.4241, 12.1216**, and the grayscale version is **30.3145, 31.8932, 34.7317**.

A 20% lighter version of the original color is **58.4082, 70.8625, 105.2071**, and **14.3691, 17.2799, 40.1141** is the 20% darker color. If you saturate the color by 10%, you get **29.3768, 34.4948, 75.6316**, and if you desaturate by 10%, it is **36.2634, 42.4539, 76.8049**.

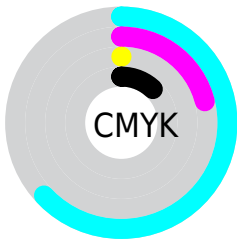
Distribution



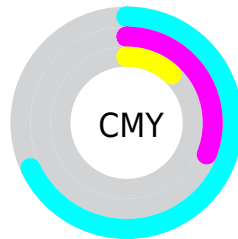
- Red (32%)
- Green (69%)
- Blue (88%)



- Red (32%)
- Yellow (55%)
- Blue (88%)



- Cyan (63%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (31%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4596, 38.2263, 76.1886 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 32.4596, 38.2263, 76.1886 by changing the saturation by 10% instead.

■ 32.4596, 38.2263,
76.1886

■ 32.4596, 38.2263,
76.1886

304.9158,
338.5897, 501.3571

■ 21.8700, 26.1584,
56.0796

■ 62.8912, 72.4549,
129.7560

■ 13.8775, 16.9422,
39.8623

■ 83.4640, 95.3843,
164.0515

■ 8.1166, 10.1933,
27.1182

■ 108.0953,
122.7030, 203.9128

■ 4.2221, 5.5273,
17.4288

■ 137.1504,
154.7954, 249.7586

■ 1.8285, 2.5598,
10.3755

170.9946,
192.0459, 302.0074

■ 0.5348, 0.9065,
5.5398

209.9933,

■ 0.0000, 0.0000,

234.8388, 361.0777

2.5031

254.5120,
283.5587, 427.3881

■ 0.0000, 0.0000,
0.8418

■ 0.0000, 0.0000,
0.0000

■ 32.4596, 38.2263,
76.1886

■ 32.4596, 38.2263,
76.1886

■ 29.3768, 34.4948,
75.6316

■ 36.2634, 42.4539,
76.8049

■ 26.9452, 31.2192,
75.1275

■ 40.8414, 47.2048,
77.4806

■ 25.0867, 28.3580,
74.6732

■ 46.2460, 52.5086,
78.2195

■ 24.0886, 26.6497,
74.3960

■ 52.5236, 58.3910,
79.0240

■ 59.7170, 64.8761,
79.8966

■ 67.8661, 71.9860,
80.8395

■ 77.0082, 79.7419,
81.8547

■ 84.8571, 86.9667,
82.8355

■ 87.0908, 91.4342,
83.5801

Harmonies

Analogous

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



28.6076, 38.2263, 62.8503



32.4596, 38.2263, 76.1886



37.7367, 38.2263, 79.2532

Triad

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



32.4596, 38.2263, 76.1886



47.8051, 38.2263, 37.7773



30.2833, 38.2263, 21.9985

Complementary

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



32.4596, 38.2263, 76.1886



40.2477, 32.4241, 12.1216

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.



34.9645, 38.2263, 18.3102



32.4596, 38.2263, 76.1886



45.3372, 38.2263, 25.8091

Square

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



32.4596, 38.2263, 76.1886



46.9627, 38.2263, 54.2283



40.5028, 38.2263, 19.5044



27.4419, 38.2263, 31.1384

Rectangle

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



32.4596, 38.2263, 76.1886



41.4273, 38.2263, 74.4958



40.5028, 38.2263, 19.5044



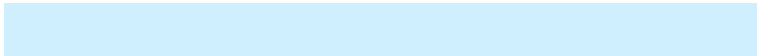
31.6744, 38.2263, 20.2001

Sweetspot

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



32.4609, 38.2277, 76.1895



74.4125, 81.9326, 106.5004



34.1214, 56.7001, 30.0332



15.3493, 17.0116, 22.7245



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.



32.4609, 38.2277, 76.1895



38.2896, 44.8241, 101.2416



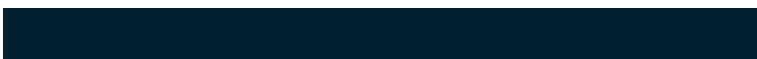
22.0556, 17.4171, 72.7211



13.7060, 14.7511, 17.5125



14.1315, 15.7325, 43.3402



1.0613, 1.2540, 3.0314

Inverse Universe

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



41.5954, 25.0180, 43.7121



52.1579, 28.3142, 51.1386



52.9962, 57.9210, 16.3711



14.0878, 13.8528, 16.2326



21.0731, 10.4963, 17.5827



1.5019, 0.7441, 1.4361

Previews

White Background



This preview shows how the XYZ color 32.4596, 38.2263, 76.1886 looks on a white background.

Color Contrast Check

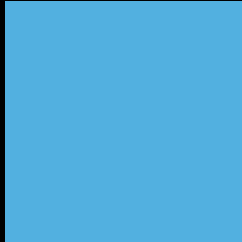
Large Text (above 18pt) WCAG AA × Fail

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 32.4596, 38.2263, 76.1886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

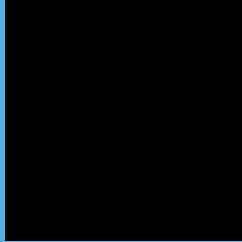
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4596, 38.2263, 76.1886

Background



This preview shows how black text looks on a background with the XYZ color 32.4596, 38.2263, 76.1886.

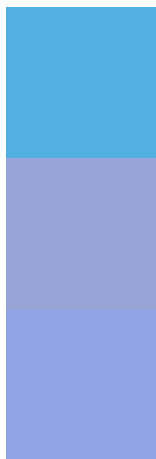


This preview shows how white text looks on a background with the XYZ color 32.4596, 38.2263,

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

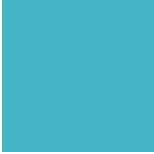
32.4596, 38.2263, 76.1886

Protanopia

38.1837, 37.7248, 68.8875

Deuteranopia

38.8164, 37.8514, 77.9333



Tritanopia

28.8716, 38.2622, 58.0882

Trichromacy



Original Color

32.4596, 38.2263, 76.1886

Protanomaly

35.4099, 37.5792, 71.7169

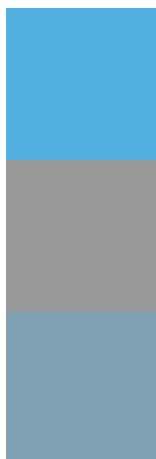
Deuteranomaly

35.8985, 37.7072, 77.3377

Tritanomaly

30.0083, 38.1129, 64.1674

Monochromacy



Original Color

32.4596, 38.2263, 76.1886

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6339, 33.2564, 47.5051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4596, 38.2263, 76.1886 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(82, 176, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 176, 224)  
}
```

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(82, 176, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 176, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.4596, 38.2263, 76.1886 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(82, 176, 224) }
```


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

```
.border{ border-color:rgb(82, 176, 224) }
```

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

Here you see how a box with a 4 pixel rgb(82, 176, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 176, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 176, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 176,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4596, 38.2263, 76.1886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 176, 224) }
```

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

```
.background{ background-color: rgb(82, 176,  
224) }
```

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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