

Converting Colors

XYZ(32.0552, 38.4927, 79.5065)

Have a look what the booklet for
XYZ(32.0552, 38.4927, 79.5065)
contains.

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Color

**XYZ(32.1776, 38.5879,
79.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	40B2E5
RGB	64, 178, 229
RGB Percent	25%, 70%, 90%
CMY	0.7490, 0.3020, 0.1020
CMYK	0.72, 0.22, 0.00, 0.10
HSL	199°, 76%, 57%
HSV	199°, 72%, 90%
XYZ	32.1776, 38.5879, 79.8810
YIQ	149.7280, -84.3150, -8.3070

Conversions

Conversions Part 2

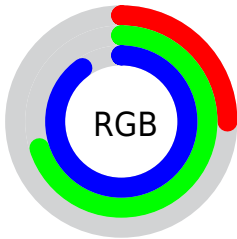
Format	Color
R _{YB}	64, 131, 229
Decimal	4240101
CIE Lab	68.45, -15.54, -34.77
CIE LCh	68, 38.088, 245.924
Yxy	38.5879, 0.2136, 0.2561
Android (android.graphics.Color)	4282430181 (0xFF40B2E5)
YUV	149.7280, 39.0811, -75.1835
Hunter-Lab	62.1192, -16.2459, -32.7595

Details

The XYZ color **32.1776, 38.5879, 79.8810** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **39.3711, 29.2923, 8.4311**, and the grayscale version is **28.7415, 30.2383, 32.9295**.

A 20% lighter version of the original color is **56.8329, 70.8909, 105.2957**, and **14.8764, 17.6844, 42.1645** is the 20% darker color. If you saturate the color by 10%, you get **29.6104, 35.2279, 79.3685**, and if you desaturate by 10%, it is **35.4311, 42.4109, 80.4482**.

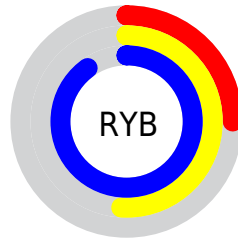
Distribution



Red (25%)

Green (70%)

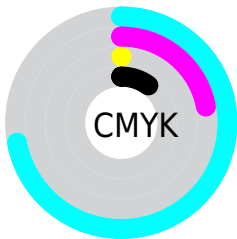
Blue (90%)



Red (25%)

Yellow (51%)

Blue (90%)

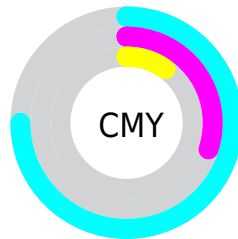


Cyan (72%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (75%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1776, 38.5879, 79.8810 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 32.1776, 38.5879, 79.8810 by changing the saturation by 10% instead.

■ 32.1776, 38.5879,
79.8810

■ 32.1776, 38.5879,
79.8810

303.6584,
340.1352, 514.2279

■ 21.6534, 26.4393,
59.0948

■ 62.4527, 73.0083,
135.0083

■ 13.7176, 17.1526,
42.2690

■ 82.9343, 96.0490,
170.1865

■ 8.0049, 10.3433,
28.9848

■ 107.4658,
123.4891, 210.9992

■ 4.1499, 5.6272,
18.8238

■ 136.4125,
155.7130, 257.8648

■ 1.7873, 2.6197,
11.3675

170.1398,
193.1052, 311.2020

■ 0.5100, 0.9366,
6.1973

209.0129,

■ 0.0000, 0.0000,

236.0500, 371.4292

2.8947

253.3974,
284.9319, 438.9650

■ 0.0000, 0.0000,
1.0411

■ 0.0000, 0.0000,
0.0000

■ 32.1776, 38.5879,
79.8810

■ 32.1776, 38.5879,
79.8810

■ 29.6104, 35.2279,
79.3685

■ 35.4311, 42.4109,
80.4482

■ 27.6442, 32.2834,
78.9038

■ 39.4346, 46.7294,
81.0707

■ 26.4068, 30.1847,
78.5639

■ 44.2486, 51.5766,
81.7526

■ 49.9258, 56.9815,
82.4967

■ 56.5144, 62.9702,
83.3053

■ 64.0589, 69.5670,
84.1810

■ 72.6005, 76.7949,
85.1259

■ 82.1782, 84.6751,
86.1422

■ 87.0485, 90.2482,
86.9612

Harmonies

Analogous

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



28.1212, 38.5879, 64.4814



32.1776, 38.5879, 79.8810



37.8777, 38.5879, 84.0846

Triad

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



32.1776, 38.5879, 79.8810



49.3611, 38.5879, 38.7038



30.3281, 38.5879, 20.5717

Complementary

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



32.1776, 38.5879, 79.8810



39.3711, 29.2923, 8.4311

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.



35.5012, 38.5879, 17.0128



32.1776, 38.5879, 79.8810



46.8120, 38.5879, 25.4878

Square

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



32.1776, 38.5879, 79.8810



48.2240, 38.5879, 56.9530



41.5766, 38.5879, 18.5294



27.1376, 38.5879, 29.9491

Rectangle

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



32.1776, 38.5879, 79.8810



41.9435, 38.5879, 79.1934



41.5766, 38.5879, 18.5294



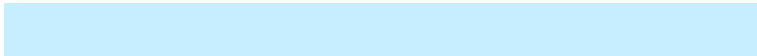
31.8702, 38.5879, 18.7909

Sweetspot

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



32.1789, 38.5893, 79.8820



72.0521, 80.2993, 106.3095



33.1440, 58.3333, 25.2858



14.9063, 16.7253, 22.6926



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.



32.1789, 38.5893, 79.8820



36.5828, 43.2211, 101.0221



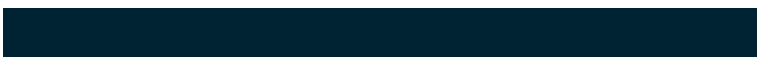
20.5337, 15.2987, 76.0002



14.4119, 15.5452, 18.3853



15.2096, 17.4812, 44.9558



1.2055, 1.4550, 3.3493

Inverse Universe

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



42.1836, 23.5407, 44.4411



50.8544, 26.1007, 49.4914



52.9798, 56.5097, 12.9673



14.7955, 14.5354, 17.1234



22.0706, 10.9625, 19.7985



1.6721, 0.8266, 1.6799

Previews

White Background



This preview shows how the XYZ color 32.1776, 38.5879, 79.8810 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 32.1776, 38.5879, 79.8810 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

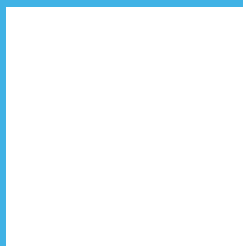
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1776, 38.5879, 79.8810

Background



This preview shows how black text looks on a background with the XYZ color 32.1776, 38.5879, 79.8810.

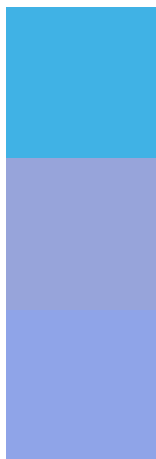


This preview shows how white text looks on a background with the XYZ color 32.1776, 38.5879,

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

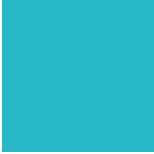
32.1776, 38.5879, 79.8810

Protanopia

38.6928, 38.1922, 71.6622

Deuteranopia

39.1686, 38.2168, 81.6561



Tritanopia

28.0016, 38.3953, 59.3613

Trichromacy



Original Color

32.1776, 38.5879, 79.8810

Protanomaly

34.9805, 37.5718, 74.5157

Deuteranomaly

35.5512, 37.7229, 81.0088

Tritanomaly

29.2991, 38.3042, 66.1708

Monochromacy



Original Color

32.1776, 38.5879, 79.8810

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.3152, 32.3182, 47.3935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1776, 38.5879, 79.8810 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(64, 178, 229)` looks like.

```
.text, #text, p{  
    color:rgb(64, 178, 229)  
}
```

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(64, 178, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 178, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.1776, 38.5879, 79.8810 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(64, 178, 229) }
```


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

```
.border{ border-color:rgb(64, 178, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 178, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 178, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 178, 229);  
box-shadow:4px 4px 4px 4px rgb(64, 178,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1776, 38.5879, 79.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 178, 229) }
```

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

```
.background{ background-color: rgb(64, 178,  
229) }
```

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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