

Converting Colors

XYZ(32.4425, 39.5514, 82.4106)

Have a look what the booklet for
XYZ(32.4425, 39.5514, 82.4106)
contains.

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Color

**XYZ(32.4048, 39.5521,
82.2703)**

Conversions

Conversions Part 1

Format	Color
Hex	32B5E8
RGB	50, 181, 232
RGB Percent	20%, 71%, 91%
CMY	0.8039, 0.2902, 0.0902
CMYK	0.78, 0.22, 0.00, 0.09
HSL	197°, 80%, 55%
HSV	197°, 78%, 91%
XYZ	32.4048, 39.5521, 82.2703
YIQ	147.6450, -94.4470, -11.9110

Conversions

Conversions Part 2

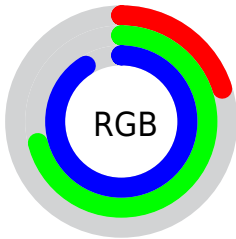
Format	Color
RYB	50, 126, 232
Decimal	3323368
CIELab	69.15, -17.73, -35.35
CIELCh	69, 39.548, 243.370
Yxy	39.5521, 0.2101, 0.2565
Android (android.graphics.Color)	4281513448 (0xFF32B5E8)
YUV	147.6450, 41.5870, -85.6347
Hunter-Lab	62.8905, -18.0848, -33.5370

Details

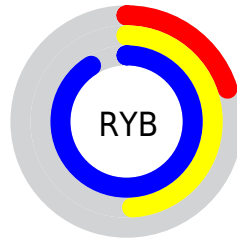
The XYZ color **32.4048, 39.5521, 82.2703** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **38.5102, 26.6966, 6.1427**, and the grayscale version is **27.8637, 29.3148, 31.9238**.

A 20% lighter version of the original color is **56.6464, 72.0735, 105.5337**, and **15.5556, 18.5729, 43.8394** is the 20% darker color. If you saturate the color by 10%, you get **30.2458, 36.5228, 81.8002**, and if you desaturate by 10%, it is **35.2071, 43.0060, 82.7901**.

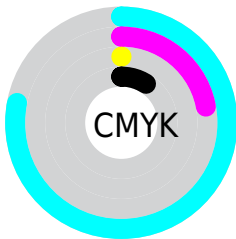
Distribution



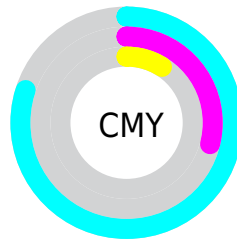
- Red (20%)
- Green (71%)
- Blue (91%)



- Red (20%)
- Yellow (49%)
- Blue (91%)



- Cyan (78%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (80%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4048, 39.5521, 82.2703 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 32.4048, 39.5521, 82.2703 by changing the saturation by 10% instead.

■ 32.4048, 39.5521,
82.2703

■ 32.4048, 39.5521,
82.2703

304.6718,
344.2321, 522.4585

■ 21.8279, 27.1895,
61.0513

■ 62.8061, 74.4810,
138.3931

■ 13.8464, 17.7156,
43.8357

■ 83.3612, 97.8161,
174.1339

■ 8.0949, 10.7460,
30.2051

■ 107.9731,
125.5774, 215.5523

■ 4.2081, 5.8963,
19.7410

■ 137.0071,
158.1494, 263.0670

■ 1.8205, 2.7821,
12.0247

■ 170.8286,
195.9165, 317.0964

■ 0.5300, 1.0191,
6.6377

209.8030,

■ 0.0000, 0.0000,

239.2631, 378.0591

3.1616

254.2956,
288.5735, 446.3737

■ 0.0000, 0.0000,
1.1777

■ 0.0000, 0.0000,
0.0000

■ 32.4048, 39.5521,
82.2703

■ 32.4048, 39.5521,
82.2703

■ 30.2458, 36.5228,
81.8002

■ 35.2071, 43.0060,
82.7901

■ 28.6134, 33.8546,
81.3712

■ 38.7264, 46.9216,
83.3604

■ 28.3818, 33.4586,
81.3070

■ 43.0301, 51.3357,
83.9855

■ 48.1764, 56.2792,
84.6685

■ 54.2177, 61.7804,
85.4119

■ 61.2019, 67.8652,
86.2183

■ 69.1734, 74.5574,
87.0899

■ 78.1736, 81.8796,
88.0288

■ 86.8234, 89.1217,
88.9708

Harmonies

Analogous

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



28.3300, 39.5521, 65.1854



32.4048, 39.5521, 82.2703



38.3119, 39.5521, 87.9897

Triad

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



32.4048, 39.5521, 82.2703



51.0762, 39.5521, 41.0521



31.2971, 39.5521, 20.0483

Complementary

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



32.4048, 39.5521, 82.2703



38.5102, 26.6966, 6.1427

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.



36.8833, 39.5521, 16.8277



32.4048, 39.5521, 82.2703



48.6828, 39.5521, 26.6186

Square

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



32.4048, 39.5521, 82.2703



49.5363, 39.5521, 60.6252



43.3076, 39.5521, 18.8445



27.7426, 39.5521, 29.2732

Rectangle

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



32.4048, 39.5521, 82.2703



42.6224, 39.5521, 83.5657



43.3076, 39.5521, 18.8445



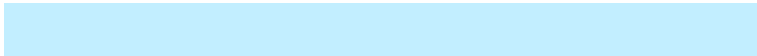
32.9758, 39.5521, 18.3662

Sweetspot

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



32.4062, 39.5535, 82.2713



70.7776, 79.7244, 106.2657



32.4035, 59.2845, 21.4260



14.5086, 16.5003, 22.6701



0.0000, 0.0000, 0.0000



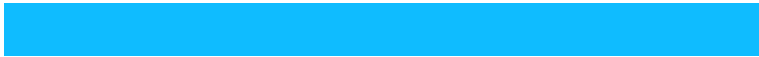
20.3446, 21.4041, 23.3091

Same Dimension

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



32.4062, 39.5535, 82.2713



36.1983, 43.2169, 101.0416



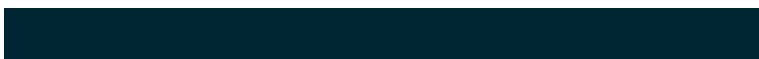
19.7506, 14.2424, 78.0528



14.4482, 15.6177, 18.3974



15.8678, 18.7978, 45.1752



1.2501, 1.5441, 3.3641

Inverse Universe

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



42.7611, 22.7749, 45.8596



50.4736, 25.2336, 49.6898



52.1686, 54.0134, 10.6955



14.8138, 14.5427, 17.2199



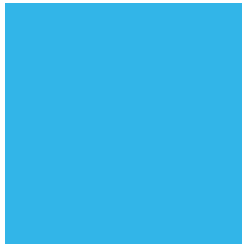
22.4029, 11.0954, 21.5482



1.6946, 0.8356, 1.7983

Previews

White Background



This preview shows how the XYZ color 32.4048, 39.5521, 82.2703 looks on a white background.

Color Contrast Check

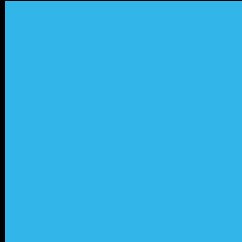
Large Text (above 18pt) WCAG AA × Fail

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 32.4048, 39.5521, 82.2703 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

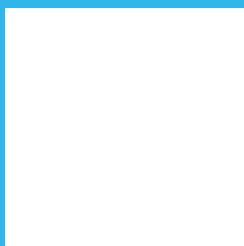
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4048, 39.5521, 82.2703

Background



This preview shows how black text looks on a background with the XYZ color 32.4048, 39.5521, 82.2703.

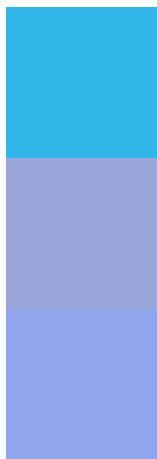


This preview shows how white text looks on a background with the XYZ color 32.4048, 39.5521,

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

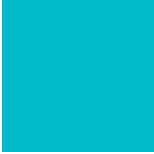
32.4048, 39.5521, 82.2703

Protanopia

39.6914, 39.2120, 73.1869

Deuteranopia

40.2781, 39.2579, 84.8115



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

32.4048, 39.5521, 82.2703

Protanomaly

35.2199, 38.2206, 76.0420

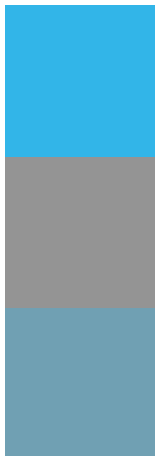
Deuteranomaly

35.9887, 38.4390, 84.1199

Tritanomaly

29.2736, 39.1630, 68.3037

Monochromacy



Original Color

32.4048, 39.5521, 82.2703

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.3896, 31.8410, 47.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4048, 39.5521, 82.2703 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(50, 181, 232)` looks like.

```
.text, #text, p{  
    color:rgb(50, 181, 232)  
}
```

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(50, 181, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 181, 232) }
```

Border

The CSS property to change the border of an element to XYZ 32.4048, 39.5521, 82.2703 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(50, 181, 232) }
```


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

```
.border{ border-color:rgb(50, 181, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 181, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 181, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 181, 232);  
box-shadow:4px 4px 4px 4px rgb(50, 181,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4048, 39.5521, 82.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 181, 232) }
```

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

```
.background{ background-color: rgb(50, 181,  
232) }
```

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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