

Converting Colors

XYZ(33.0170, 38.5091, 81.7537)

Have a look what the booklet for
XYZ(33.0170, 38.5091, 81.7537)
contains.

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Color

**XYZ(32.9925, 38.3727,
82.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	4BB0E8
RGB	75, 176, 232
RGB Percent	29%, 69%, 91%
CMY	0.7058, 0.3098, 0.0902
CMYK	0.68, 0.24, 0.00, 0.09
HSL	201°, 77%, 60%
HSV	201°, 68%, 91%
XYZ	32.9925, 38.3727, 82.0117
YIQ	152.1850, -78.1720, -3.9960

Conversions

Conversions Part 2

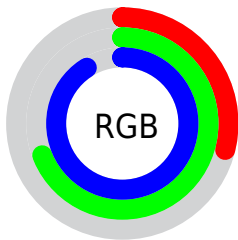
Format	Color
R _Y B	75, 136, 232
Decimal	4960488
CIE Lab	68.29, -11.94, -36.64
CIE LCh	68, 38.533, 251.944
Yxy	38.3727, 0.2151, 0.2502
Android (android.graphics.Color)	4283150568 (0xFF4BB0E8)
YUV	152.1850, 39.3488, -67.6912
Hunter-Lab	61.9457, -13.3352, -35.1337

Details

The XYZ color **32.9925, 38.3727, 82.0117** 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 **42.6669, 33.8991, 10.9528**, and the grayscale version is **29.7862, 31.3374, 34.1264**.

A 20% lighter version of the original color is **57.5541, 70.4222, 105.1672**, and **15.0441, 17.5499, 43.6689** is the 20% darker color. If you saturate the color by 10%, you get **29.9243, 34.4557, 81.4181**, and if you desaturate by 10%, it is **36.8236, 42.8311, 82.6711**.

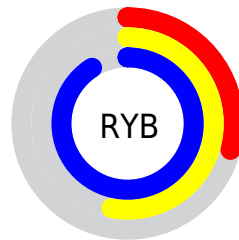
Distribution



Red (29%)

Green (69%)

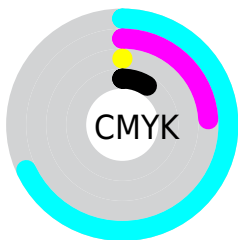
Blue (91%)



Red (29%)

Yellow (53%)

Blue (91%)

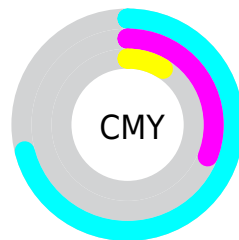


Cyan (68%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (71%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9925, 38.3727, 82.0117 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 32.9925, 38.3727, 82.0117 by changing the saturation by 10% instead.

■ 32.9925, 38.3727,
82.0117

■ 32.9925, 38.3727,
82.0117

307.2815,
339.2161, 521.5713

■ 22.2799, 26.2721,
60.8393

■ 63.7186, 72.6790,
138.0272

■ 14.1805, 17.0273,
43.6658

■ 84.4628, 95.6535,
173.7075

■ 8.3288, 10.2540,
30.0726

■ 109.2815,
123.0214, 215.0607

■ 4.3596, 5.5677,
19.6412

■ 138.5402,
155.1672, 262.5055

■ 1.9075, 2.5840,
11.9530

172.6042,
192.4751, 316.4605

■ 0.5812, 0.9186,
6.5895

211.8389,

■ 0.0000, 0.0000,

235.3296, 377.3440

3.1322

256.6095,
284.1152, 445.5748

■ 0.0000, 0.0000,
1.1625

■ 0.0000, 0.0000,
0.0000

■ 32.9925, 38.3727,
82.0117

■ 32.9925, 38.3727,
82.0117

■ 29.9243, 34.4557,
81.4181

■ 36.8236, 42.8311,
82.6711

■ 27.5372, 31.0336,
80.8834

■ 41.4798, 47.8636,
83.3971

■ 25.7283, 28.0510,
80.4030

■ 47.0209, 53.5041,
84.1937

■ 25.3520, 27.3991,
80.2970

■ 53.4998, 59.7824,
85.0641

■ 60.9650, 66.7257,
86.0108

■ 69.4615, 74.3595,
87.0365

■ 79.0312, 82.7078,
88.1435

■ 87.6192, 90.7134,
89.2361

■ 90.1411, 95.7573,
90.0767

Harmonies

Analogous

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



28.5041, 38.3727, 68.1636



32.9925, 38.3727, 82.0117



38.9268, 38.3727, 83.4577

Triad

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



32.9925, 38.3727, 82.0117



49.0435, 38.3727, 35.2739



29.2527, 38.3727, 21.6171

Complementary

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



32.9925, 38.3727, 82.0117



42.6669, 33.8991, 10.9528

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.



34.1228, 38.3727, 16.9725



32.9925, 38.3727, 82.0117



45.8018, 38.3727, 23.2722

Square

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



32.9925, 38.3727, 82.0117



48.6545, 38.3727, 52.9511



40.1881, 38.3727, 17.4805



26.5146, 38.3727, 32.3044

Rectangle

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



32.9925, 38.3727, 82.0117



42.9627, 38.3727, 76.8018



40.1881, 38.3727, 17.4805



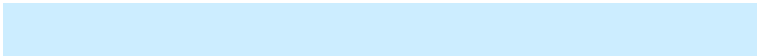
30.6705, 38.3727, 19.4499

Sweetspot

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



32.9938, 38.3740, 82.0127



73.1805, 80.5148, 106.2916



35.7857, 60.8206, 30.9574



15.0956, 16.7073, 22.6792



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.



32.9938, 38.3740, 82.0127



35.8800, 41.0388, 100.6379



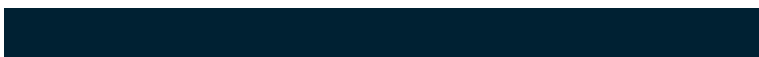
21.8882, 16.1628, 78.3108



14.3523, 15.4260, 18.3654



14.1974, 15.4569, 44.6184



1.1361, 1.3161, 3.3261

Inverse Universe

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



43.6325, 25.3242, 43.6638



50.6892, 26.7604, 46.3839



57.2157, 62.9968, 15.8024



14.7654, 14.5234, 16.9651



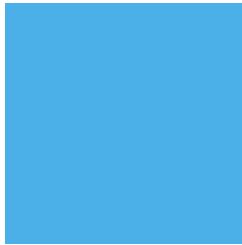
21.5597, 10.7581, 17.1083



1.6371, 0.8125, 1.4954

Previews

White Background



This preview shows how the XYZ color 32.9925, 38.3727, 82.0117 looks on a white background.

Color Contrast Check

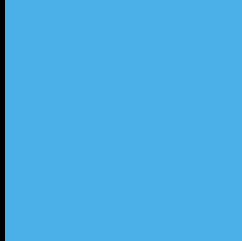
Large Text (above 18pt) WCAG AA × Fail

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 32.9925, 38.3727, 82.0117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

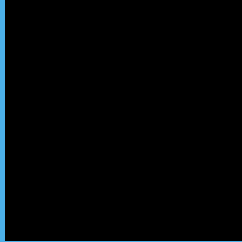
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

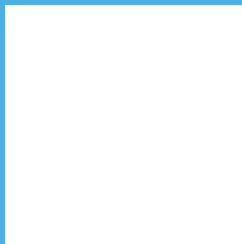
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9925, 38.3727, 82.0117

Background



This preview shows how black text looks on a background with the XYZ color 32.9925, 38.3727, 82.0117.

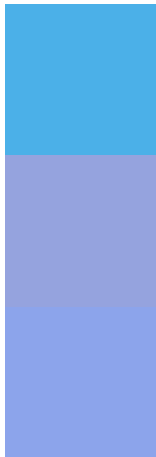


This preview shows how white text looks on a background with the XYZ color 32.9925, 38.3727,

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

32.9925, 38.3727, 82.0117

Protanopia

38.6764, 37.8579, 74.3761

Deuteranopia

39.0861, 38.1245, 83.8960



Tritanopia

28.2742, 38.2440, 58.7149

Trichromacy



Original Color

32.9925, 38.3727, 82.0117

Protanomaly

35.7561, 37.6338, 77.3310

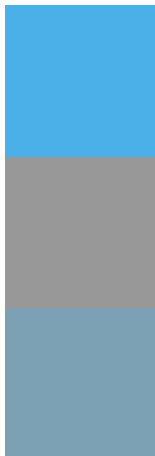
Deuteranomaly

36.0564, 37.6588, 83.2104

Tritanomaly

29.8786, 38.2878, 66.7883

Monochromacy



Original Color

32.9925, 38.3727, 82.0117

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3975, 33.1110, 48.5577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9925, 38.3727, 82.0117 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(75, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(75, 176, 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(75, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 176, 232) }
```

Border

The CSS property to change the border of an element to XYZ 32.9925, 38.3727, 82.0117 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(75, 176, 232) }
```


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

```
.border{ border-color:rgb(75, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(75, 176,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9925, 38.3727, 82.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 176, 232) }
```

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

```
.background{ background-color: rgb(75, 176,  
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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