

Converting Colors

XYZ(32.9324, 36.5196, 77.9863)

Have a look what the booklet for
XYZ(32.9324, 36.5196, 77.9863)
contains.

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Color

**XYZ(32.8770, 36.4088,
77.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	60A9E3
RGB	96, 169, 227
RGB Percent	38%, 66%, 89%
CMY	0.6235, 0.3372, 0.1098
CMYK	0.58, 0.26, 0.00, 0.11
HSL	207°, 70%, 63%
HSV	207°, 58%, 89%
XYZ	32.8770, 36.4088, 77.9678
YIQ	153.7850, -62.1260, 2.5620

Conversions

Conversions Part 2

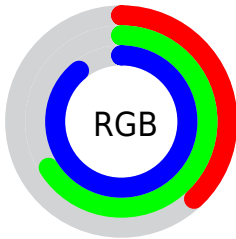
Format	Color
R _Y B	96, 143, 227
Decimal	6334947
CIE Lab	66.83, -6.05, -36.12
CIE LCh	67, 36.620, 260.497
Yxy	36.4088, 0.2233, 0.2473
Android (android.graphics.Color)	4284525027 (0xFF60A9E3)
YUV	153.7850, 36.0950, -50.6774
Hunter-Lab	60.3397, -8.3361, -34.3736

Details

The XYZ color **32.8770, 36.4088, 77.9678** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.3470, 40.2887, 16.4545**, and the grayscale version is **30.4887, 32.0765, 34.9313**.

A 20% lighter version of the original color is **58.2232, 67.4999, 104.5678**, and **14.0653, 15.8450, 40.8451** is the 20% darker color. If you saturate the color by 10%, you get **29.0261, 31.7543, 77.2731**, and if you desaturate by 10%, it is **37.5636, 41.7088, 78.7445**.

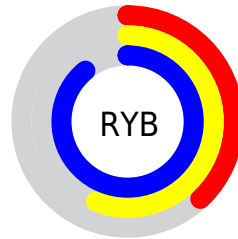
Distribution



Red (38%)

Green (66%)

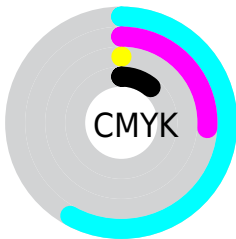
Blue (89%)



Red (38%)

Yellow (56%)

Blue (89%)

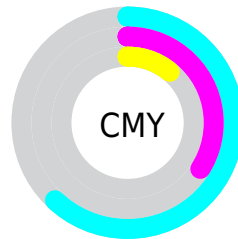


Cyan (58%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (62%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8770, 36.4088, 77.9678 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 32.8770, 36.4088, 77.9678 by changing the saturation by 10% instead.

■ 32.8770, 36.4088,
77.9678

■ 32.8770, 36.4088,
77.9678

306.7699,
330.7438, 507.5825

■ 22.1910, 24.7501,
57.5312

■ 63.5394, 69.6626,
132.2902

■ 14.1147, 15.8910,
41.0197

■ 84.2466, 92.0264,
167.0131

■ 8.2827, 9.4470,
28.0147

■ 109.0248,
118.7274, 207.3352

■ 4.3297, 5.0339,
18.0976

■ 138.2395,
150.1500, 253.6750

■ 1.8903, 2.2672,
10.8499

172.2560,
186.6785, 306.4511

■ 0.5712, 0.7562,
5.8531

211.4397,

■ 0.0000, 0.0000,

228.6974, 366.0820

2.6886

256.1559,
276.5911, 432.9863

■ 0.0000, 0.0000,
0.9377

■ 0.0000, 0.0000,
0.0000

■ 32.8770, 36.4088,
77.9678

■ 32.8770, 36.4088,
77.9678

■ 29.0261, 31.7543,
77.2731

■ 37.5636, 41.7088,
78.7445

■ 25.9426, 27.7034,
76.6537

■ 43.1390, 47.6844,
79.6040

■ 23.5526, 24.2136,
76.1061

■ 49.6562, 54.3679,
80.5506

■ 21.7543, 21.2275,
75.6245

■ 57.1625, 61.7882,
81.5872

■ 21.3895, 20.5946,
75.5215

■ 65.7018, 69.9720,
82.7168

■ 75.3155, 78.9449,
83.9420

■ 86.0424, 88.7307,
85.2655

■ 89.1070, 94.8096,
86.2774

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



28.2642, 36.4088, 68.1354



32.8770, 36.4088, 77.9678



38.4695, 36.4088, 75.6182

Triad

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



32.8770, 36.4088, 77.9678



45.5685, 36.4088, 29.8949



27.0225, 36.4088, 23.2362

Complementary

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



32.8770, 36.4088, 77.9678



45.3470, 40.2887, 16.4545

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.



31.0093, 36.4088, 17.3896



32.8770, 36.4088, 77.9678



41.8306, 36.4088, 20.4613

Square

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



32.8770, 36.4088, 77.9678



46.2057, 36.4088, 44.8942



36.3935, 36.4088, 16.5312



25.1300, 36.4088, 34.8181

Rectangle

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



32.8770, 36.4088, 77.9678



41.9913, 36.4088, 67.6490



36.3935, 36.4088, 16.5312



28.1409, 36.4088, 20.6808

Sweetspot

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



32.8783, 36.4101, 77.9687



75.0403, 81.0446, 106.2959



38.0248, 59.7182, 39.5606



15.6125, 16.9093, 22.6909



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.



32.8783, 36.4101, 77.9687



37.0199, 40.3670, 100.4482



23.7150, 18.0835, 74.9143



14.2456, 15.2126, 18.3298



12.5925, 12.2471, 44.0834



1.0228, 1.0896, 3.2884

Inverse Universe

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



43.0240, 27.5627, 40.5898



51.9851, 30.0374, 44.7035



58.9314, 67.4576, 20.9826



14.7115, 14.5018, 16.6814



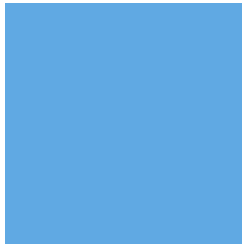
20.7496, 10.4341, 12.8423



1.5799, 0.7897, 1.1943

Previews

White Background



This preview shows how the XYZ color 32.8770, 36.4088, 77.9678 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 32.8770, 36.4088, 77.9678 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

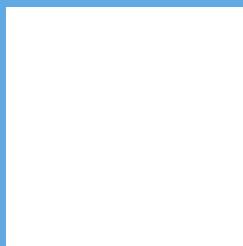
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8770, 36.4088, 77.9678

Background



This preview shows how black text looks on a background with the XYZ color 32.8770, 36.4088, 77.9678.

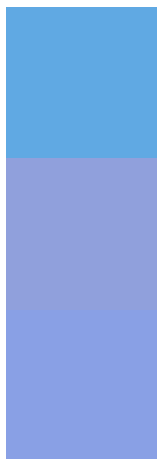


This preview shows how white text looks on a background with the XYZ color 32.8770, 36.4088,

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

32.8770, 36.4088, 77.9678

Protanopia

36.9907, 36.2382, 72.7552

Deuteranopia

37.0302, 36.1171, 79.1483



Tritanopia

28.2129, 36.5177, 54.2768

Trichromacy



Original Color

32.8770, 36.4088, 77.9678

Protanomaly

35.1689, 36.0341, 74.9137

Deuteranomaly

35.1268, 35.9334, 78.4832

Tritanomaly

29.5608, 36.1774, 61.9248

Monochromacy



Original Color

32.8770, 36.4088, 77.9678

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4115, 33.1190, 48.5058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8770, 36.4088, 77.9678 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(96, 169, 227)` looks like.

```
.text, #text, p{  
    color:rgb(96, 169, 227)  
}
```

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(96, 169, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 169, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.8770, 36.4088, 77.9678 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(96, 169, 227) }
```


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

```
.border{ border-color:rgb(96, 169, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 169, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 169, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 169, 227);  
box-shadow:4px 4px 4px 4px rgb(96, 169,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8770, 36.4088, 77.9678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 169, 227) }
```

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

```
.background{ background-color: rgb(96, 169,  
227) }
```

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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