

Converting Colors

XYZ(33.8487, 38.6375, 88.7789)

Have a look what the booklet for
XYZ(33.8487, 38.6375, 88.7789)
contains.

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Color

**XYZ(33.8568, 38.6668,
88.8981)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 45B0F1 |
| RGB | 69, 176, 241 |
| RGB Percent | 27%, 69%, 95% |
| CMY | 0.7294, 0.3098, 0.0549 |
| CMYK | 0.71, 0.27, 0.00, 0.05 |
| HSL | 203°, 86%, 61% |
| HSV | 203°, 71%, 95% |
| XYZ | 33.8568, 38.6668, 88.8981 |
| YIQ | 151.4170, -84.6370, -2.4690 |

Conversions

Conversions Part 2

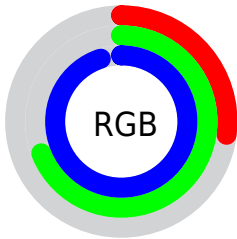
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 69, 135, 241 |
| Decimal | 4567281 |
| CIE Lab | 68.51, -9.83, -41.22 |
| CIE LCh | 69, 42.377, 256.592 |
| Yxy | 38.6668, 0.2097, 0.2395 |
| Android (android.graphics.Color) | 4282757361 (0xFF45B0F1) |
| YUV | 151.4170, 44.1644, -72.2797 |
| Hunter-Lab | 62.1826, -11.6311, -41.2349 |

Details

The XYZ color **33.8568, 38.6668, 88.8981** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **45.8771, 36.1839, 10.1983**, and the grayscale version is **29.4385, 30.9716, 33.7281**.

A 20% lighter version of the original color is **56.7793, 69.6061, 105.0505**, and **15.9646, 17.9181, 48.5161** is the 20% darker color. If you saturate the color by 10%, you get **30.7550, 34.5055, 88.2592**, and if you desaturate by 10%, it is **37.7749, 43.4280, 89.6114**.

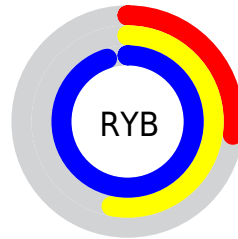
Distribution



Red (27%)

Green (69%)

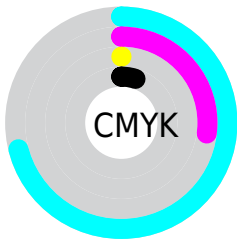
Blue (95%)



Red (27%)

Yellow (53%)

Blue (95%)

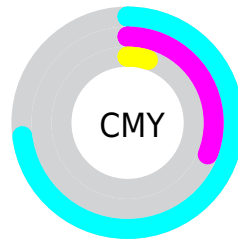


Cyan (71%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (73%)


Magenta (31%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8568, 38.6668, 88.8981 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 33.8568, 38.6668, 88.8981 by changing the saturation by 10% instead.


 33.8568, 38.6668,
88.8981


 33.8568, 38.6668,
88.8981


311.0902,
340.4718, 544.9172


 22.9460, 26.5006,
66.4985


 65.0567, 73.1290,
147.7290


 14.6741, 17.1985,
48.2182


 86.0765, 96.1939,
184.9974

 8.6758, 10.3761,
33.6385


 111.1966,
123.6604, 228.0591

 4.5857, 5.6491,
22.3409

 140.7825,
155.9129, 277.3328

 2.0385, 2.6329,
13.9069

175.1994,
193.3360, 333.2369

 0.6555, 0.9432,
7.9179

214.8128,

 0.0000, 0.0000,

236.3139, 396.1899

3.9555

259.9879,
285.2310, 466.6105

■ 0.0000, 0.0000,
1.6009

■ 0.0000, 0.0000,
0.2915

■ 33.8568, 38.6668,
88.8981

■ 33.8568, 38.6668,
88.8981

■ 30.7550, 34.5055,
88.2592

■ 37.7749, 43.4280,
89.6114

■ 28.3731, 30.8892,
87.6867

■ 42.5824, 48.8283,
90.4004

■ 26.7711, 28.1385,
87.2402

■ 48.3481, 54.9072,
91.2698

■ 55.1325, 61.6989,
92.2232

■ 62.9908, 69.2351,
93.2636

■ 71.9740, 77.5450,
94.3941

■ 82.1297, 86.6563,
95.6175

■ 90.9517, 95.2796,
96.8170

■ 92.8773, 99.1309,
97.4589

Harmonies

Analogous

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



28.6231, 38.6668, 74.8244



33.8568, 38.6668, 88.8981



40.5374, 38.6668, 88.0315

Triad

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



33.8568, 38.6668, 88.8981



50.4658, 38.6668, 32.4589



28.1987, 38.6668, 21.5669

Complementary

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



33.8568, 38.6668, 88.8981



45.8771, 36.1839, 10.1983

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.



33.2093, 38.6668, 15.7974



33.8568, 38.6668, 88.8981



46.2895, 38.6668, 20.6561

Square

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



33.8568, 38.6668, 88.8981



50.6940, 38.6668, 51.2073



39.8069, 38.6668, 15.5242



25.6332, 38.6668, 34.1448

Rectangle

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



33.8568, 38.6668, 88.8981



44.9403, 38.6668, 79.0197



39.8069, 38.6668, 15.5242



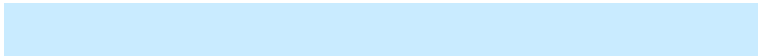
29.6235, 38.6668, 18.9585

Sweetspot

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



33.8582, 38.6681, 88.8991



71.8988, 78.9805, 106.0630



38.0806, 65.8448, 32.5588



14.8305, 16.3771, 22.6294



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.



33.8582, 38.6681, 88.8991



33.5428, 37.1410, 100.0088



22.1547, 15.2611, 84.9979



15.7164, 16.8668, 20.1489



14.6512, 15.5267, 47.3526



1.3143, 1.4826, 3.9711

Inverse Universe

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



46.2415, 26.0933, 43.6748



49.3199, 25.4869, 41.4109



62.4399, 69.3094, 15.7193



16.1863, 15.9242, 18.5371



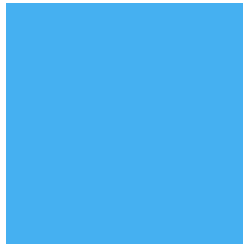
22.7209, 11.3608, 16.9786



1.9383, 0.9644, 1.6662

Previews

White Background



This preview shows how the XYZ color 33.8568, 38.6668, 88.8981 looks on a white background.

Color Contrast Check

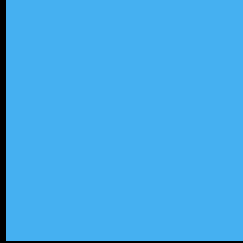
Large Text (above 18pt) WCAG AA × Fail

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 33.8568, 38.6668, 88.8981 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

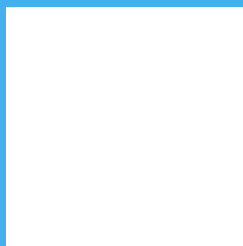
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8568, 38.6668, 88.8981

Background



This preview shows how black text looks on a background with the XYZ color 33.8568, 38.6668, 88.8981.

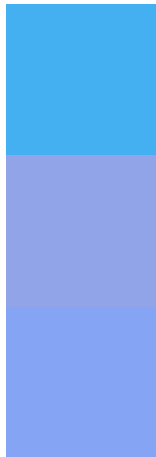


This preview shows how white text looks on a background with the XYZ color 33.8568, 38.6668,

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

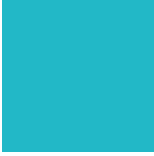
33.8568, 38.6668, 88.8981

Protanopia

39.3763, 38.3402, 80.9263

Deuteranopia

39.4571, 38.4285, 90.9258



Tritanopia

28.1090, 38.7446, 60.0298

Trichromacy



Original Color

33.8568, 38.6668, 88.8981

Protanomaly

36.3341, 37.7853, 83.9755

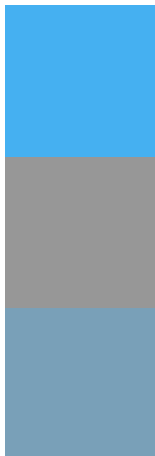
Deuteranomaly

36.7960, 38.1620, 90.2207

Tritanomaly

29.8338, 38.5071, 69.4785

Monochromacy



Original Color

33.8568, 38.6668, 88.8981

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1077, 32.6673, 50.1187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8568, 38.6668, 88.8981 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(69, 176, 241)` looks like.

```
.text, #text, p{  
    color:rgb(69, 176, 241)  
}
```

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(69, 176, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 176, 241) }
```

Border

The CSS property to change the border of an element to XYZ 33.8568, 38.6668, 88.8981 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(69, 176, 241) }
```


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

```
.border{ border-color:rgb(69, 176, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 176, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 176, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 176, 241);  
box-shadow:4px 4px 4px 4px rgb(69, 176,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8568, 38.6668, 88.8981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 176, 241) }
```

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

```
.background{ background-color: rgb(69, 176,  
241) }
```

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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