

Converting Colors

XYZ(30.9680, 39.0166, 75.7972)

Have a look what the booklet for
XYZ(30.9680, 39.0166, 75.7972)
contains.

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Color

**XYZ(30.9253, 38.9333,
75.6970)**

Conversions

Conversions Part 1

Format	Color
Hex	2DB5DF
RGB	45, 181, 223
RGB Percent	18%, 71%, 87%
CMY	0.8235, 0.2902, 0.1255
CMYK	0.80, 0.19, 0.00, 0.13
HSL	194°, 74%, 53%
HSV	194°, 80%, 87%
XYZ	30.9253, 38.9333, 75.6970
YIQ	145.1240, -94.5380, -15.7700

Conversions

Conversions Part 2

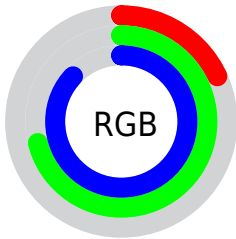
Format	Color
R_{YB}	45, 122, 223
Decimal	2995679
CIE _{Lab}	68.70, -21.20, -31.14
CIE _{LCh}	69, 37.669, 235.747
Yxy	38.9333, 0.2125, 0.2675
Android (android.graphics.Color)	4281185759 (0xFF2DB5DF)
YUV	145.1240, 38.3929, -87.8087
Hunter-Lab	62.3966, -20.7249, -28.2507

Details

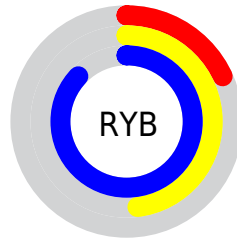
The XYZ color **30.9253, 38.9333, 75.6970** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.3150, 22.6964, 5.0564**, and the grayscale version is **26.8427, 28.2406, 30.7540**.

A 20% lighter version of the original color is **56.0799, 71.7814, 105.5072**, and **14.7871, 18.2655, 39.7920** is the 20% darker color. If you saturate the color by 10%, you get **29.1407, 36.4555, 75.3136**, and if you desaturate by 10%, it is **33.2705, 41.7615, 76.1201**.

Distribution



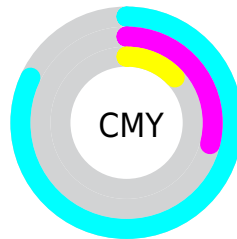
- Red (18%)
- Green (71%)
- Blue (87%)



- Red (18%)
- Yellow (48%)
- Blue (87%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9253, 38.9333, 75.6970 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 30.9253, 38.9333, 75.6970 by changing the saturation by 10% instead.

■ 30.9253, 38.9333,
75.6970

■ 30.9253, 38.9333,
75.6970

298.0271,
341.6068, 499.6290

■ 20.6935, 26.7078,
55.6789

■ 60.4991, 73.5364,
129.0547

■ 13.0113, 17.3539,
39.5433

■ 80.5718, 96.6829,
163.2313

■ 7.5134, 10.4872,
26.8716

■ 104.6555,
124.2384, 202.9646

■ 3.8344, 5.7231,
17.2452

■ 133.1157,
156.5875, 248.6730

■ 1.6089, 2.6775,
10.2457

■ 166.3175,
194.1145, 300.7752

■ 0.3982, 0.9658,
5.4544

204.6265,

■ 0.0000, 0.0000,

237.2038, 359.6895

2.4529

248.4079,
286.2398, 425.8346

■ 0.0000, 0.0000,
0.8150

■ 0.0000, 0.0000,
0.0000

■ 30.9253, 38.9333,
75.6970

■ 30.9253, 38.9333,
75.6970

■ 29.1407, 36.4555,
75.3136

■ 33.2705, 41.7615,
76.1201

■ 27.7891, 34.2595,
74.9609

■ 36.2444, 44.9738,
76.5834

■ 27.7655, 34.2200,
74.9545

■ 39.9090, 48.6035,
77.0908

■ 44.3178, 52.6787,
77.6450

■ 49.5184, 57.2246,
78.2484

■ 55.5547, 62.2644,
78.9030

■ 62.4671, 67.8196,
79.6110

■ 70.2933, 73.9102,
80.3741

■ 79.0688, 80.5550,
81.1941

Harmonies

Analogous

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



27.6172, 38.9333, 58.2977



30.9253, 38.9333, 75.6970



36.1620, 38.9333, 84.2405

Triad

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



30.9253, 38.9333, 75.6970



49.6428, 38.9333, 44.8711



32.2490, 38.9333, 19.1782

Complementary

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



30.9253, 38.9333, 75.6970



34.3150, 22.6964, 5.0564

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.



37.8608, 38.9333, 17.3721



30.9253, 38.9333, 75.6970



48.3101, 38.9333, 29.6791

Square

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



30.9253, 38.9333, 75.6970



47.3026, 38.9333, 63.6649



43.8333, 38.9333, 20.6478



28.3220, 38.9333, 26.4794

Rectangle

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



30.9253, 38.9333, 75.6970



40.2013, 38.9333, 82.4501



43.8333, 38.9333, 20.6478



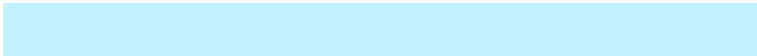
33.9826, 38.9333, 18.0091

Sweetspot

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



30.9266, 38.9347, 75.6980



71.5717, 81.3126, 106.5304



29.1726, 54.0149, 17.8081



14.7012, 16.8856, 22.7344



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.



30.9266, 38.9347, 75.6980



38.1974, 47.3252, 101.7292



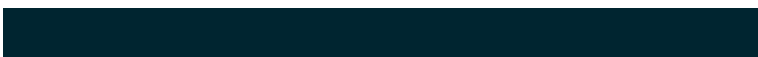
18.2710, 13.6234, 71.4794



13.8281, 14.9954, 17.5533



16.4164, 20.3024, 44.1019



1.2049, 1.5414, 3.0792

Inverse Universe

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



39.7115, 20.9024, 45.6588



51.4557, 25.5234, 55.1793



46.3406, 46.7476, 9.0649



14.1495, 13.8774, 16.5573



22.2264, 10.9576, 23.6560



1.5745, 0.7731, 1.8179

Previews

White Background



This preview shows how the XYZ color 30.9253, 38.9333, 75.6970 looks on a white background.

Color Contrast Check

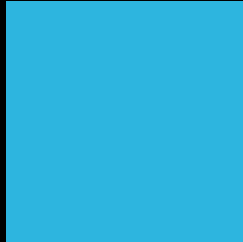
Large Text (above 18pt) WCAG AA × Fail

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 30.9253, 38.9333, 75.6970 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

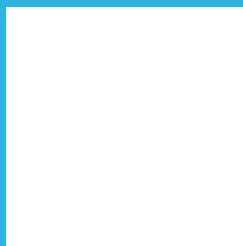
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9253, 38.9333, 75.6970

Background



This preview shows how black text looks on a background with the XYZ color 30.9253, 38.9333, 75.6970.

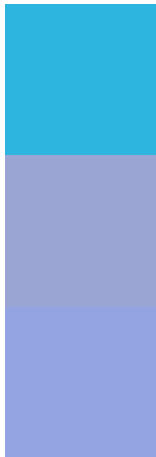


This preview shows how white text looks on a background with the XYZ color 30.9253, 38.9333,

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

30.9253, 38.9333, 75.6970

Protanopia

38.7306, 38.5820, 67.0338

Deuteranopia

39.3533, 38.3929, 78.0095



Tritanopia

27.7743, 38.8681, 60.6820

Trichromacy



Original Color

30.9253, 38.9333, 75.6970

Protanomaly

33.8989, 37.6770, 69.7757

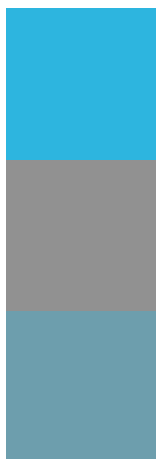
Deuteranomaly

34.6577, 37.6199, 77.3862

Tritanomaly

28.7393, 38.9452, 65.6770

Monochromacy



Original Color

30.9253, 38.9333, 75.6970

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.0764, 30.7221, 44.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9253, 38.9333, 75.6970 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(45, 181, 223)` looks like.

```
.text, #text, p{  
    color:rgb(45, 181, 223)  
}
```

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(45, 181, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 181, 223) }
```

Border

The CSS property to change the border of an element to XYZ 30.9253, 38.9333, 75.6970 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(45, 181, 223) }
```


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

```
.border{ border-color:rgb(45, 181, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 181, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 181, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 181, 223);  
box-shadow:4px 4px 4px 4px rgb(45, 181,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9253, 38.9333, 75.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 181, 223) }
```

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

```
.background{ background-color: rgb(45, 181,  
223) }
```

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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