

Converting Colors

XYZ(32.8034, 39.7225, 70.2283)

Have a look what the booklet for
XYZ(32.8034, 39.7225, 70.2283)
contains.

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Color

**XYZ(32.8034, 39.7225,
70.2283)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB4D7
RGB	90, 180, 215
RGB Percent	35%, 71%, 84%
CMY	0.6470, 0.2941, 0.1569
CMYK	0.58, 0.16, 0.00, 0.16
HSL	197°, 61%, 60%
HSV	197°, 58%, 84%
XYZ	32.8034, 39.7225, 70.2283
YIQ	157.0800, -64.8750, -8.1950

Conversions

Conversions Part 2

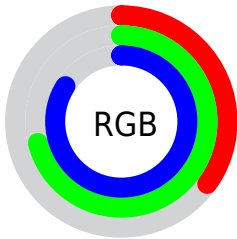
Format	Color
RYB	90, 142, 215
Decimal	5944535
CIELab	69.27, -16.83, -25.78
CIELCh	69, 30.787, 236.869
Yxy	39.7225, 0.2298, 0.2783
Android (android.graphics.Color)	4284134615 (0xFF5AB4D7)
YUV	157.0800, 28.5546, -58.8292
Hunter-Lab	63.0258, -17.3902, -21.9475

Details

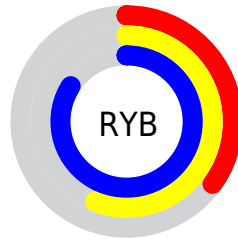
The XYZ color **32.8034, 39.7225, 70.2283** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.2044, 29.8537, 13.4755**, and the grayscale version is **31.9815, 33.6471, 36.6416**.

A 20% lighter version of the original color is **60.4399, 73.6005, 105.6285**, and **14.0472, 17.7749, 35.9482** is the 20% darker color. If you saturate the color by 10%, you get **29.8179, 36.4191, 69.7488**, and if you desaturate by 10%, it is **36.4489, 43.4462, 70.7556**.

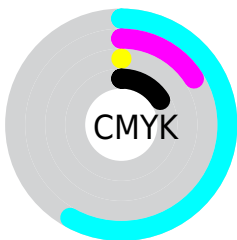
Distribution



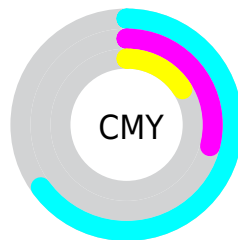
- Red (35%)
- Green (71%)
- Blue (84%)



- Red (35%)
- Yellow (56%)
- Blue (84%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (65%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8034, 39.7225, 70.2283 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 32.8034, 39.7225, 70.2283 by changing the saturation by 10% instead.

■ 32.8034, 39.7225,
70.2283

■ 32.8034, 39.7225,
70.2283

306.4436,
344.9526, 480.1620

■ 22.1344, 27.3222,
51.2347

■ 63.4252, 74.7408,
121.2184

■ 14.0728, 17.8154,
36.0174

■ 84.1087, 98.1276,
154.0521

■ 8.2534, 10.8175,
24.1579

■ 108.8611,
125.9453, 192.3362

■ 4.3107, 5.9443,
15.2375

■ 138.0477,
158.5785, 236.4892

■ 1.8794, 2.8112,
8.8377

172.0339,
196.4114, 286.9298

■ 0.5648, 1.0340,
4.5401

211.1850,

■ 0.0000, 0.0000,

239.8284, 344.0764

1.9261

255.8665,
289.2140, 408.3476

■ 0.0000, 0.0000,
0.5093

■ 0.0000, 0.0000,
0.0000

■ 32.8034, 39.7225,
70.2283

■ 32.8034, 39.7225,
70.2283

■ 29.8179, 36.4191,
69.7488

■ 36.4489, 43.4462,
70.7556

■ 27.4342, 33.5024,
69.3114

■ 40.7987, 47.6114,
71.3304

■ 25.5897, 30.9401,
68.9141

■ 45.8972, 52.2429,
71.9556

■ 24.1916, 28.6833,
68.5522

■ 51.7842, 57.3622,
72.6334

■ 23.9543, 28.2831,
68.4874

■ 58.4965, 62.9889,
73.3657

■ 66.0684, 69.1419,
74.1543

■ 74.5323, 75.8386,
75.0008

■ 81.2940, 81.7426,
75.7840

■ 82.9806, 85.1159,
76.3462

Harmonies

Analogous

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



29.9085, 39.7225, 56.7300



32.8034, 39.7225, 70.2283



37.2392, 39.7225, 76.4501

Triad

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



32.8034, 39.7225, 70.2283



48.0427, 39.7225, 44.7522



33.6275, 39.7225, 23.2588

Complementary

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



32.8034, 39.7225, 70.2283



37.2044, 29.8537, 13.4755

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.



38.2756, 39.7225, 21.3978



32.8034, 39.7225, 70.2283



46.8664, 39.7225, 32.0965

Square

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



32.8034, 39.7225, 70.2283



46.2704, 39.7225, 59.8662



43.1815, 39.7225, 24.2541



30.3543, 39.7225, 30.0353

Rectangle

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



32.8034, 39.7225, 70.2283



40.5756, 39.7225, 74.8120



43.1815, 39.7225, 24.2541



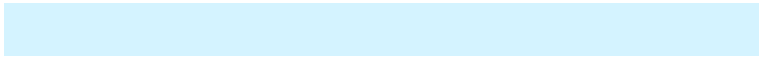
35.0683, 39.7225, 22.1116

Sweetspot

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



32.8047, 39.7240, 70.2293



77.1099, 85.1838, 106.9857



32.1140, 52.2139, 27.2356



16.1028, 17.8899, 22.8543



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.



32.8047, 39.7240, 70.2293



42.9067, 52.4496, 102.4701



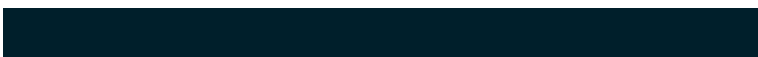
23.1001, 20.3147, 66.9944



12.4846, 13.4927, 15.8839



14.4209, 17.1036, 40.9944



0.9380, 1.1681, 2.4953

Inverse Universe

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



39.9198, 25.0559, 45.9138



54.8810, 30.9068, 60.8438



47.3946, 50.2341, 16.8722



12.7978, 12.5706, 14.8755



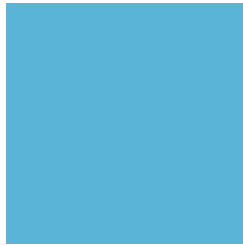
20.3379, 10.0715, 19.6151



1.2611, 0.6212, 1.3645

Previews

White Background



This preview shows how the XYZ color 32.8034, 39.7225, 70.2283 looks on a white background.

Color Contrast Check

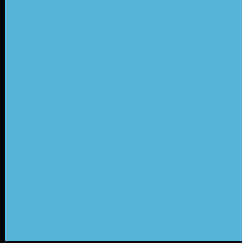
Large Text (above 18pt) WCAG AA × Fail

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 32.8034, 39.7225, 70.2283 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 32.8034, 39.7225, 70.2283

Background



This preview shows how black text looks on a background with the XYZ color 32.8034, 39.7225, 70.2283.



This preview shows how white text looks on a background with the XYZ color 32.8034, 39.7225,

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

32.8034, 39.7225, 70.2283

Protanopia

39.1362, 39.4161, 63.3030

Deuteranopia

40.2106, 39.2413, 71.7847



Tritanopia

30.6938, 39.7832, 59.4873

Trichromacy



Original Color

32.8034, 39.7225, 70.2283

Protanomaly

36.0927, 39.1768, 65.9812

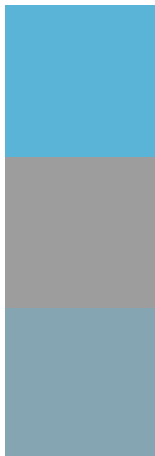
Deuteranomaly

36.5720, 38.7458, 71.1968

Tritanomaly

31.4648, 39.7940, 63.1494

Monochromacy



Original Color

32.8034, 39.7225, 70.2283

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.1639, 35.1112, 47.2541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8034, 39.7225, 70.2283 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(90, 180, 215)` looks like.

```
.text, #text, p{  
    color:rgb(90, 180, 215)  
}
```

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(90, 180, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 180, 215) }
```

Border

The CSS property to change the border of an element to XYZ 32.8034, 39.7225, 70.2283 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(90, 180, 215) }
```


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

```
.border{ border-color:rgb(90, 180, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 180, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 180, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 180, 215);  
box-shadow:4px 4px 4px 4px rgb(90, 180,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8034, 39.7225, 70.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 180, 215) }
```

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

```
.background{ background-color: rgb(90, 180,  
215) }
```

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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