

Converting Colors

XYZ(32.9452, 39.7354, 72.9511)

Have a look what the booklet for
XYZ(32.9452, 39.7354, 72.9511)
contains.

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Color

**XYZ(32.9452, 39.7354,
72.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	56B4DB
RGB	86, 180, 219
RGB Percent	34%, 71%, 86%
CMY	0.6627, 0.2941, 0.1412
CMYK	0.61, 0.18, 0.00, 0.14
HSL	198°, 65%, 60%
HSV	198°, 61%, 86%
XYZ	32.9452, 39.7354, 72.9511
YIQ	156.3400, -68.5430, -7.7990

Conversions

Conversions Part 2

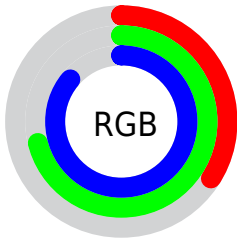
Format	Color
RYB	86, 141, 219
Decimal	5682395
CIELab	69.28, -16.36, -27.97
CIELCh	69, 32.405, 239.674
Yxy	39.7354, 0.2262, 0.2728
Android (android.graphics.Color)	4283872475 (0xFF56B4DB)
YUV	156.3400, 30.8914, -61.6882
Hunter-Lab	63.0360, -17.0216, -24.4906

Details

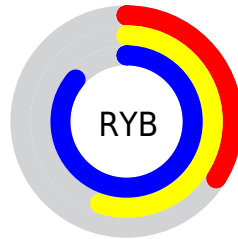
The XYZ color **32.9452, 39.7354, 72.9511** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **38.2281, 30.4010, 12.6588**, and the grayscale version is **31.6414, 33.2892, 36.2519**.

A 20% lighter version of the original color is **59.8995, 73.3219, 105.6032**, and **14.2902, 17.8591, 37.8159** is the 20% darker color. If you saturate the color by 10%, you get **29.9628, 36.3184, 72.4495**, and if you desaturate by 10%, it is **36.6079, 43.5938, 73.5036**.

Distribution



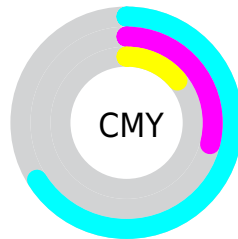
- Red (34%)
- Green (71%)
- Blue (86%)



- Red (34%)
- Yellow (55%)
- Blue (86%)



- Cyan (61%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9452, 39.7354, 72.9511 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 32.9452, 39.7354, 72.9511 by changing the saturation by 10% instead.

■ 32.9452, 39.7354,
72.9511

■ 32.9452, 39.7354,
72.9511

307.0721,
345.0071, 489.9116

■ 22.2435, 27.3323,
53.4444

■ 63.6452, 74.7604,
125.1281

■ 14.1535, 17.8229,
37.7675

■ 84.3742, 98.1511,
158.6354

■ 8.3099, 10.8229,
25.5019

■ 109.1764,
125.9732, 197.6467

■ 4.3474, 5.9479,
16.2289

■ 138.4171,
158.6109, 242.5805

■ 1.9005, 2.8134,
9.5302

172.4617,
196.4488, 293.8554

■ 0.5771, 1.0351,
4.9871

211.6754,

■ 0.0000, 0.0000,

239.8712, 351.8898

2.1811

256.4238,
289.2625, 417.1023

■ 0.0000, 0.0000,
0.6634

■ 0.0000, 0.0000,
0.0000

■ 32.9452, 39.7354,
72.9511

■ 32.9452, 39.7354,
72.9511

■ 29.9628, 36.3184,
72.4495

■ 36.6079, 43.5938,
73.5036

■ 27.5975, 33.3068,
71.9929

■ 40.9988, 47.9172,
74.1066

■ 25.7800, 30.6643,
71.5786

■ 46.1658, 52.7321,
74.7637

■ 24.4714, 28.4847,
71.2269

■ 52.1514, 58.0618,
75.4769

■ 58.9950, 63.9274,
76.2484

■ 66.7331, 70.3490,
77.0801

■ 75.4003, 77.3455,
77.9737

■ 82.7081, 83.7380,
78.8224

■ 84.5425, 87.4070,
79.4339

Harmonies

Analogous

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



29.7367, 39.7354, 59.0278



32.9452, 39.7354, 72.9511



37.7105, 39.7354, 78.6372

Triad

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



32.9452, 39.7354, 72.9511



48.6617, 39.7354, 43.4282



33.0352, 39.7354, 22.8665

Complementary

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



32.9452, 39.7354, 72.9511



38.2281, 30.4010, 12.6588

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.



37.8242, 39.7354, 20.5012



32.9452, 39.7354, 72.9511



47.1273, 39.7354, 30.5926

Square

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



32.9452, 39.7354, 72.9511



47.0614, 39.7354, 59.3755



43.0384, 39.7354, 22.9731



29.7853, 39.7354, 30.3692

Rectangle

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



32.9452, 39.7354, 72.9511



41.2307, 39.7354, 76.1770



43.0384, 39.7354, 22.9731



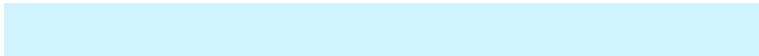
34.5035, 39.7354, 21.5326

Sweetspot

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



32.9465, 39.7368, 72.9521



75.9883, 84.0210, 106.8204



32.7887, 54.0897, 27.6780



15.6879, 17.4826, 22.7976



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.



32.9465, 39.7368, 72.9521



41.2439, 49.9804, 102.0811



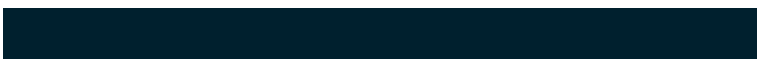
22.7353, 19.3144, 69.5483



13.1056, 14.1510, 16.6928



14.6092, 17.0879, 42.2667



1.0196, 1.2534, 2.7626

Inverse Universe

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



40.7806, 25.0124, 45.8599



53.8327, 29.6873, 57.7906



49.3475, 52.6397, 16.3652



13.4432, 13.2064, 15.5950



20.8694, 10.3488, 19.4901



1.3890, 0.6852, 1.4572

Previews

White Background



This preview shows how the XYZ color 32.9452, 39.7354, 72.9511 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 32.9452, 39.7354, 72.9511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

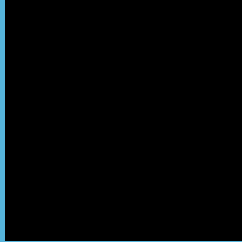
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9452, 39.7354, 72.9511

Background



This preview shows how black text looks on a background with the XYZ color 32.9452, 39.7354, 72.9511.

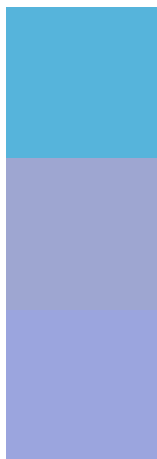


This preview shows how white text looks on a background with the XYZ color 32.9452, 39.7354,

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

32.9452, 39.7354, 72.9511

Protanopia

39.2454, 39.1450, 65.8089

Deuteranopia

40.1575, 39.1528, 74.5479



Tritanopia

30.3941, 39.9360, 59.5326

Trichromacy



Original Color

32.9452, 39.7354, 72.9511

Protanomaly

36.0889, 38.8354, 68.5447

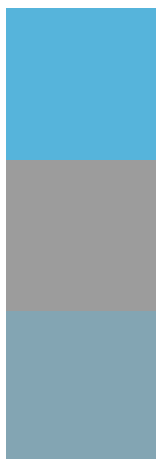
Deuteranomaly

36.6318, 38.7157, 73.9488

Tritanomaly

31.3823, 40.0287, 64.4648

Monochromacy



Original Color

32.9452, 39.7354, 72.9511

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9519, 34.9902, 47.7703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9452, 39.7354, 72.9511 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(86, 180, 219)` looks like.

```
.text, #text, p{  
    color:rgb(86, 180, 219)  
}
```

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(86, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 180, 219) }
```

Border

The CSS property to change the border of an element to XYZ 32.9452, 39.7354, 72.9511 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(86, 180, 219) }
```


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

```
.border{ border-color:rgb(86, 180, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 180, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(86, 180,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9452, 39.7354, 72.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 180, 219) }
```

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

```
.background{ background-color: rgb(86, 180,  
219) }
```

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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