

Converting Colors

XYZ(32.4736, 39.1937, 72.8714)

Have a look what the booklet for
XYZ(32.4736, 39.1937, 72.8714)
contains.

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Color

**XYZ(32.4736, 39.1937,
72.8714)**

Conversions

Conversions Part 1

Format	Color
Hex	53B3DB
RGB	83, 179, 219
RGB Percent	33%, 70%, 86%
CMY	0.6745, 0.2980, 0.1412
CMYK	0.62, 0.18, 0.00, 0.14
HSL	198°, 65%, 59%
HSV	198°, 62%, 86%
XYZ	32.4736, 39.1937, 72.8714
YIQ	154.8560, -70.0560, -7.9120

Conversions

Conversions Part 2

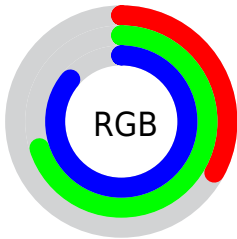
Format	Color
R _Y B	83, 139, 219
Decimal	5485531
CIE Lab	68.89, -16.37, -28.58
CIE LCh	69, 32.934, 240.199
Yxy	39.1937, 0.2247, 0.2712
Android (android.graphics.Color)	4283675611 (0xFF53B3DB)
YUV	154.8560, 31.6230, -63.0177
Hunter-Lab	62.6049, -16.9693, -25.1895

Details

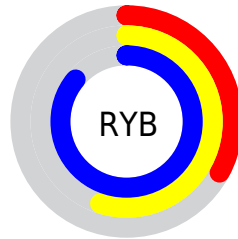
The XYZ color **32.4736, 39.1937, 72.8714** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.8591, 29.8523, 11.9519**, and the grayscale version is **30.9804, 32.5938, 35.4946**.

A 20% lighter version of the original color is **59.2599, 72.5660, 105.4910**, and **14.1617, 17.6020, 37.7731** is the 20% darker color. If you saturate the color by 10%, you get **29.5770, 35.8292, 72.3754**, and if you desaturate by 10%, it is **36.0432, 42.9961, 73.4180**.

Distribution



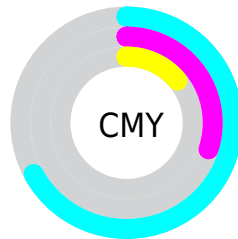
- Red (33%)
- Green (70%)
- Blue (86%)



- Red (33%)
- Yellow (55%)
- Blue (86%)



- Cyan (62%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (67%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4736, 39.1937, 72.8714 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 32.4736, 39.1937, 72.8714 by changing the saturation by 10% instead.

■ 32.4736, 39.1937,
72.8714

■ 32.4736, 39.1937,
72.8714

304.9781,
342.7133, 489.6278

■ 21.8808, 26.9104,
53.3796

■ 62.9130, 73.9341,
125.0139

■ 13.8854, 17.5060,
37.7161

■ 83.4903, 97.1601,
158.5016

■ 8.1222, 10.5959,
25.4623

■ 108.1265,
124.8024, 197.4918

■ 4.2257, 5.7958,
16.1997

■ 137.1869,
157.2455, 242.4029

■ 1.8306, 2.7213,
9.5097

171.0370,
194.8738, 293.6536

■ 0.5360, 0.9880,
4.9738

210.0419,

■ 0.0000, 0.0000,

238.0715, 351.6622

2.1734

254.5672,
287.2233, 416.8475

■ 0.0000, 0.0000,
0.6590

■ 0.0000, 0.0000,
0.0000

■ 32.4736, 39.1937,
72.8714

■ 32.4736, 39.1937,
72.8714

■ 29.5770, 35.8292,
72.3754

■ 36.0432, 42.9961,
73.4180

■ 27.2890, 32.8660,
71.9240

■ 40.3346, 47.2607,
74.0149

■ 25.5382, 30.2669,
71.5146

■ 45.3963, 52.0142,
74.6657

■ 24.4393, 28.4204,
71.2161

■ 51.2715, 57.2801,
75.3724

■ 57.9997, 63.0799,
76.1373

■ 65.6180, 69.4338,
76.9622

■ 74.1612, 76.3608,
77.8489

■ 82.4716, 83.2652,
78.7436

■ 84.3030, 86.9279,
79.3541

Harmonies

Analogous

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



29.2176, 39.1937, 58.8671



32.4736, 39.1937, 72.8714



37.2873, 39.1937, 78.4504

Triad

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



32.4736, 39.1937, 72.8714



48.2435, 39.1937, 42.5756



32.4186, 39.1937, 22.3056

Complementary

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



32.4736, 39.1937, 72.8714



37.8591, 29.8523, 11.9519

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.



37.2176, 39.1937, 19.8639



32.4736, 39.1937, 72.8714



46.6398, 39.1937, 29.7634

Square

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



32.4736, 39.1937, 72.8714



46.6803, 39.1937, 58.6532



42.4785, 39.1937, 22.2409



29.1880, 39.1937, 29.8996

Rectangle

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



32.4736, 39.1937, 72.8714



40.8345, 39.1937, 75.8221



42.4785, 39.1937, 22.2409



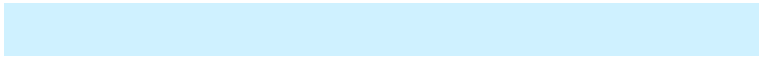
33.8863, 39.1937, 20.9469

Sweetspot

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



32.4749, 39.1951, 72.8724



75.0379, 83.1833, 106.7088



32.3841, 53.8967, 26.9593



15.5013, 17.3157, 22.7752



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.



32.4749, 39.1951, 72.8724



40.5139, 49.0332, 101.9368



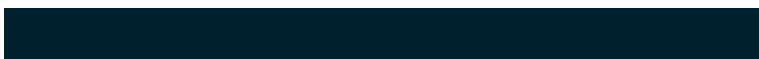
22.2008, 18.6469, 69.4476



13.1046, 14.1490, 16.6925



14.5903, 17.0500, 42.2604



1.0185, 1.2512, 2.7623

Inverse Universe

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



40.4445, 24.5027, 45.2470



53.3391, 29.0105, 56.6687



49.0884, 52.3110, 15.6950



13.4427, 13.2062, 15.5924



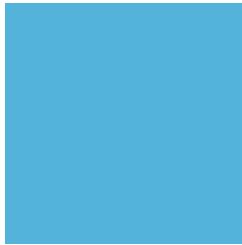
20.8598, 10.3450, 19.4397



1.3884, 0.6850, 1.4542

Previews

White Background



This preview shows how the XYZ color 32.4736, 39.1937, 72.8714 looks on a white background.

Color Contrast Check

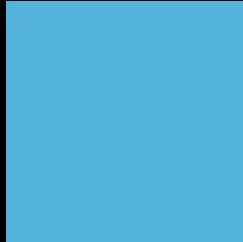
Large Text (above 18pt) WCAG AA × Fail

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 32.4736, 39.1937, 72.8714 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

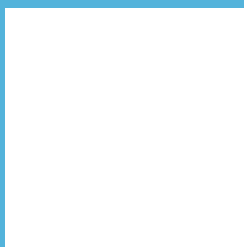
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4736, 39.1937, 72.8714

Background



This preview shows how black text looks on a background with the XYZ color 32.4736, 39.1937, 72.8714.

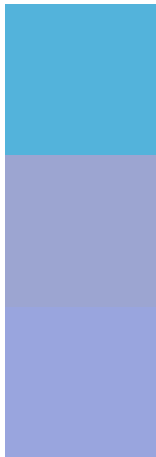


This preview shows how white text looks on a background with the XYZ color 32.4736, 39.1937,

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

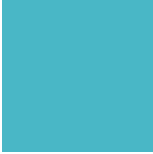
32.4736, 39.1937, 72.8714

Protanopia

38.6741, 38.5816, 65.7303

Deuteranopia

39.7768, 38.9565, 74.5301



Tritanopia

29.8742, 39.3607, 59.4489

Trichromacy



Original Color

32.4736, 39.1937, 72.8714

Protanomaly

35.4382, 38.2207, 68.4603

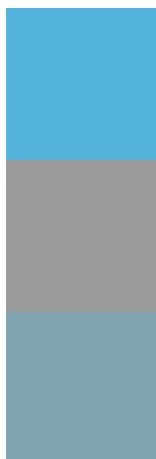
Deuteranomaly

36.3280, 38.5591, 73.9346

Tritanomaly

30.9291, 39.4899, 64.3847

Monochromacy



Original Color

32.4736, 39.1937, 72.8714

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.3646, 34.4324, 47.1652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4736, 39.1937, 72.8714 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(83, 179, 219)` looks like.

```
.text, #text, p{  
    color:rgb(83, 179, 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(83, 179, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 179, 219) }
```

Border

The CSS property to change the border of an element to XYZ 32.4736, 39.1937, 72.8714 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(83, 179, 219) }
```


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

```
.border{ border-color:rgb(83, 179, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 179, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(83, 179,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4736, 39.1937, 72.8714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 179, 219) }
```

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

```
.background{ background-color: rgb(83, 179,  
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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