

Converting Colors

XYZ(32.9110, 37.6987, 79.9310)

Have a look what the booklet for
XYZ(32.9110, 37.6987, 79.9310)
contains.

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Color

**XYZ(32.9351, 37.8141,
79.6917)**

Conversions

Conversions Part 1

Format	Color
Hex	54AEE5
RGB	84, 174, 229
RGB Percent	33%, 68%, 90%
CMY	0.6706, 0.3176, 0.1020
CMYK	0.63, 0.24, 0.00, 0.10
HSL	203°, 74%, 61%
HSV	203°, 63%, 90%
XYZ	32.9351, 37.8141, 79.6917
YIQ	153.3600, -71.2950, -1.9750

Conversions

Conversions Part 2

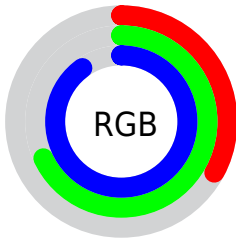
Format	Color
R _Y B	84, 140, 229
Decimal	5549797
CIE Lab	67.88, -10.38, -35.61
CIE LCh	68, 37.093, 253.757
Yxy	37.8141, 0.2189, 0.2514
Android (android.graphics.Color)	4283739877 (0xFF54AEE5)
YUV	153.3600, 37.2905, -60.8287
Hunter-Lab	61.4932, -12.0103, -33.7913

Details

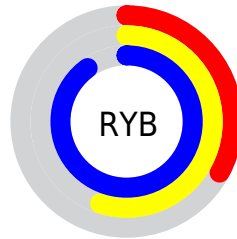
The XYZ color **32.9351, 37.8141, 79.6917** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **43.1476, 35.7656, 13.0185**, and the grayscale version is **30.3014, 31.8794, 34.7167**.

A 20% lighter version of the original color is **57.9234, 69.3696, 104.9445**, and **14.5024, 16.9362, 42.0398** is the 20% darker color. If you saturate the color by 10%, you get **29.5863, 33.6771, 79.0704**, and if you desaturate by 10%, it is **37.0648, 42.5161, 80.3824**.

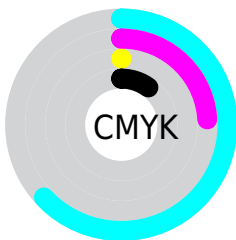
Distribution



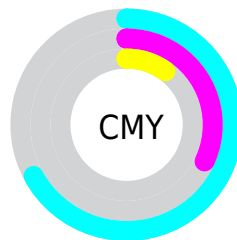
- Red (33%)
- Green (68%)
- Blue (90%)



- Red (33%)
- Yellow (55%)
- Blue (90%)



- Cyan (63%)
- Magenta (24%)
- Yellow (0%)
- Black (10%)



- Cyan (67%)
- Magenta (32%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9351, 37.8141, 79.6917 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 32.9351, 37.8141, 79.6917 by changing the saturation by 10% instead.

■ 32.9351, 37.8141,
79.6917

■ 32.9351, 37.8141,
79.6917

307.0274,
336.8218, 513.5726

■ 22.2357, 25.8384,
58.9400

■ 63.6295, 71.8231,
134.7397

■ 14.1478, 16.7028,
42.1451

■ 84.3553, 94.6253,
169.8730

■ 8.3059, 10.0228,
28.8885

■ 109.1540,
121.8050, 210.6374

■ 4.3448, 5.4141,
18.7517

■ 138.3908,
153.7468, 257.4512

■ 1.8990, 2.4922,
11.3160

172.4312,
190.8349, 310.7331

■ 0.5762, 0.8727,
6.1629

211.6405,

■ 0.0000, 0.0000,

233.4539, 370.9016

2.8740

256.3841,
281.9881, 438.3753

■ 0.0000, 0.0000,
1.0307

■ 0.0000, 0.0000,
0.0000

■ 32.9351, 37.8141,
79.6917

■ 32.9351, 37.8141,
79.6917

■ 29.5863, 33.6771,
79.0704

■ 37.0648, 42.5161,
80.3824

■ 26.9444, 30.0620,
78.5119

■ 42.0323, 47.8134,
81.1430

■ 24.9260, 26.9233,
78.0124

■ 47.8935, 53.7384,
81.9777

■ 23.8363, 25.0438,
77.7071

■ 54.6979, 60.3192,
82.8893

62.4911, 67.5823,
83.8805

71.3158, 75.5523,
84.9538

81.2118, 84.2522,
86.1114

87.5817, 91.3145,
87.1389

90.2501, 96.6515,
88.0284

Harmonies

Analogous

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



28.5291, 37.8141, 67.1985



32.9351, 37.8141, 79.6917



38.6364, 37.8141, 80.2454

Triad

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



32.9351, 37.8141, 79.6917



47.7915, 37.8141, 34.0897



28.8210, 37.8141, 22.2688

Complementary

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



32.9351, 37.8141, 79.6917



43.1476, 35.7656, 13.0185

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.



33.3743, 37.8141, 17.4315



32.9351, 37.8141, 79.6917



44.5372, 37.8141, 22.9201

Square

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



32.9351, 37.8141, 79.6917



47.6415, 37.8141, 50.6850



39.1248, 37.8141, 17.6329



26.3329, 37.8141, 32.9326

Rectangle

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



32.9351, 37.8141, 79.6917



42.4448, 37.8141, 73.5265



39.1248, 37.8141, 17.6329



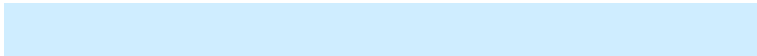
30.1383, 37.8141, 20.0519

Sweetspot

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



32.9364, 37.8154, 79.6926



73.8314, 80.7704, 106.3066



36.2042, 59.7355, 33.3537



15.2082, 16.7295, 22.6775



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.



32.9364, 37.8154, 79.6926



36.6101, 41.4650, 100.6817



22.6841, 17.3108, 76.2752



14.3242, 15.3697, 18.3560



13.7479, 14.5579, 44.4685



1.1048, 1.2535, 3.3157

Inverse Universe

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



43.1246, 26.0562, 42.8021



51.3101, 27.9751, 46.6744



56.8788, 63.2281, 17.5956



14.7512, 14.5177, 16.8902



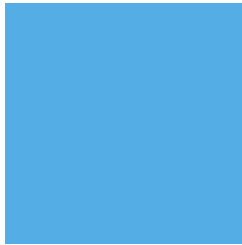
21.3328, 10.6673, 15.9134



1.6213, 0.8062, 1.4122

Previews

White Background



This preview shows how the XYZ color 32.9351, 37.8141, 79.6917 looks on a white background.

Color Contrast Check

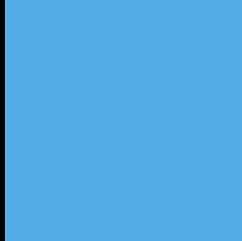
Large Text (above 18pt) WCAG AA × Fail

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 32.9351, 37.8141, 79.6917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

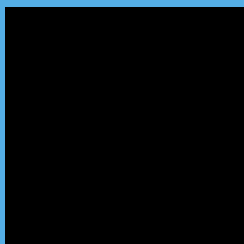
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

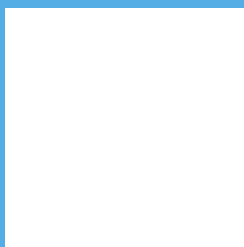
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9351, 37.8141, 79.6917

Background



This preview shows how black text looks on a background with the XYZ color 32.9351, 37.8141, 79.6917.

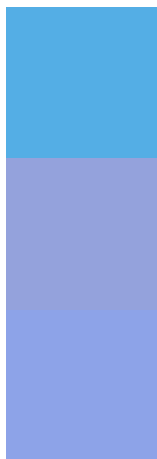


This preview shows how white text looks on a background with the XYZ color 32.9351, 37.8141,

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

32.9351, 37.8141, 79.6917

Protanopia

38.0513, 37.3039, 72.9050

Deuteranopia

38.6472, 37.6833, 81.5806



Tritanopia

28.4863, 37.7759, 57.4199

Trichromacy



Original Color

32.9351, 37.8141, 79.6917

Protanomaly

35.4129, 36.9601, 75.0796

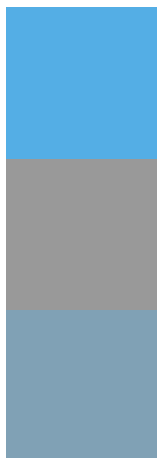
Deuteranomaly

35.9882, 37.4000, 80.9234

Tritanomaly

29.9305, 37.7623, 64.7428

Monochromacy



Original Color

32.9351, 37.8141, 79.6917

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9874, 33.4151, 48.5853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9351, 37.8141, 79.6917 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(84, 174, 229)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 229)  
}
```

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(84, 174, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.9351, 37.8141, 79.6917 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(84, 174, 229) }
```


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

```
.border{ border-color:rgb(84, 174, 229) }
```

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

Here you see how a box with a 4 pixel rgb(84, 174, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 229);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9351, 37.8141, 79.6917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 229) }
```

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

```
.background{ background-color: rgb(84, 174,  
229) }
```

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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