

Converting Colors

XYZ(31.8971, 32.5129, 87.0329)

Have a look what the booklet for
XYZ(31.8971, 32.5129, 87.0329)
contains.

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Color

**XYZ(31.9050, 32.5291,
87.0352)**

Conversions

Conversions Part 1

Format	Color
Hex	599DF0
RGB	89, 157, 240
RGB Percent	35%, 62%, 94%
CMY	0.6509, 0.3843, 0.0588
CMYK	0.63, 0.35, 0.00, 0.06
HSL	213°, 83%, 65%
HSV	213°, 63%, 94%
XYZ	31.9050, 32.5291, 87.0352
YIQ	146.1300, -67.1710, 11.3970

Conversions

Conversions Part 2

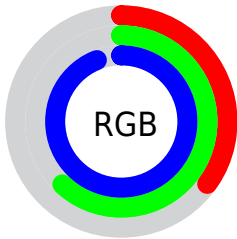
Format	Color
R _Y B	89, 136, 240
Decimal	5873136
CIE Lab	63.78, 3.62, -48.07
CIE LCh	64, 48.201, 274.308
Yxy	32.5291, 0.2106, 0.2148
Android (android.graphics.Color)	4284063216 (0xFF599DF0)
YUV	146.1300, 46.2779, -50.1030
Hunter-Lab	57.0343, 0.0430, -50.5534

Details

The XYZ color **31.9050, 32.5291, 87.0352** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **52.4929, 48.7547, 16.0970**, and the grayscale version is **27.2123, 28.6295, 31.1775**.

A 20% lighter version of the original color is **54.1068, 60.3878, 103.4120**, and **13.7013, 13.7270, 46.7272** is the 20% darker color. If you saturate the color by 10%, you get **27.8532, 27.3042, 86.2409**, and if you desaturate by 10%, it is **36.9507, 38.6251, 87.9466**.

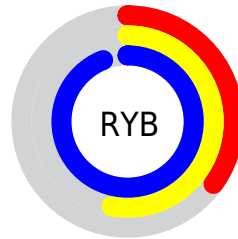
Distribution



Red (35%)

Green (62%)

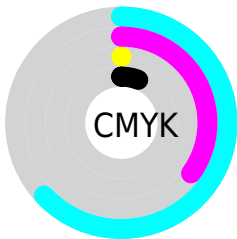
Blue (94%)



Red (35%)

Yellow (53%)

Blue (94%)

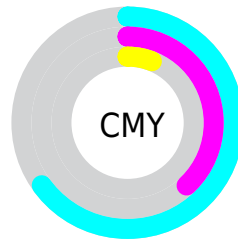


Cyan (63%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (65%)

Magenta (38%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9050, 32.5291, 87.0352 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 31.9050, 32.5291, 87.0352 by changing the saturation by 10% instead.

■ 31.9050, 32.5291,
87.0352

■ 31.9050, 32.5291,
87.0352

302.4393,
313.5225, 538.6577

■ 21.4441, 21.7660,
64.9645

■ 62.0283, 63.6396,
145.1125

■ 13.5633, 13.6850,
46.9812

■ 82.4215, 84.7558,
181.9562

■ 7.8973, 7.9019,
32.6665

■ 106.8562,
110.0918, 224.5614

■ 4.0805, 4.0323,
21.6021

■ 135.6977,
140.0320, 273.3465

■ 1.7478, 1.6916,
13.3693

169.3114,
174.9607, 328.7302

■ 0.4859, 0.4182,
7.5496

208.0627,

■ 0.0000, 0.0000,

215.2625, 391.1309

3.7245

252.3168,
261.3216, 460.9673

■ 0.0000, 0.0000,
1.4755

■ 0.0000, 0.0000,
0.1996

■ 31.9050, 32.5291,
87.0352

■ 31.9050, 32.5291,
87.0352

■ 27.8532, 27.3042,
86.2409

■ 36.9507, 38.6251,
87.9466

■ 24.7080, 22.8928,
85.5552

■ 43.0597, 45.6373,
88.9781

■ 22.3704, 19.2322,
84.9718

■ 50.2990, 53.6112,
90.1357

■ 21.0988, 17.0323,
84.6142

■ 58.7284, 62.5875,
91.4240

■ 68.4036, 72.6045,
92.8475

■ 79.3763, 83.6981,
94.4105

■ 90.9523, 95.5193,
96.0821

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



25.6170, 32.5291, 80.6846



31.9050, 32.5291, 87.0352



38.8405, 32.5291, 75.9379

Triad

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



31.9050, 32.5291, 87.0352



42.9489, 32.5291, 18.3035



20.6193, 32.5291, 21.6043

Complementary

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



31.9050, 32.5291, 87.0352



52.4929, 48.7547, 16.0970

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.



24.1534, 32.5291, 12.7055



31.9050, 32.5291, 87.0352



36.9039, 32.5291, 11.3449

Square

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



31.9050, 32.5291, 87.0352



45.7794, 32.5291, 32.6943



29.9514, 32.5291, 9.7519



19.6808, 32.5291, 38.2903

Rectangle

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



31.9050, 32.5291, 87.0352



42.7252, 32.5291, 61.8869



29.9514, 32.5291, 9.7519



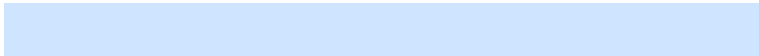
21.5150, 32.5291, 17.8334

Sweetspot

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



31.9062, 32.5302, 87.0360



71.5012, 76.1099, 105.5299



42.4930, 67.3297, 48.5577



14.6454, 15.6039, 22.4899



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.



31.9062, 32.5302, 87.0360



31.0340, 30.0735, 98.7768



23.9217, 15.8194, 84.2313



15.4834, 16.4009, 20.0712



11.6784, 9.5811, 46.3617



1.0695, 0.9930, 3.8895

Inverse Universe

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



45.5945, 28.1060, 34.9211



48.5540, 27.0965, 31.4712



67.2142, 80.6987, 21.4869



16.0687, 15.8772, 17.9179



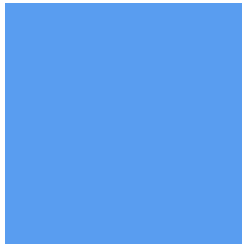
21.2204, 10.7606, 9.0769



1.8148, 0.9150, 1.0156

Previews

White Background



This preview shows how the XYZ color 31.9050, 32.5291, 87.0352 looks on a white background.

Color Contrast Check

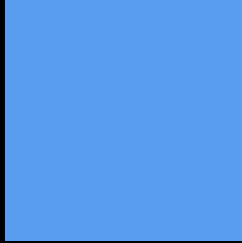
Large Text (above 18pt) WCAG AA × Fail

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 31.9050, 32.5291, 87.0352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

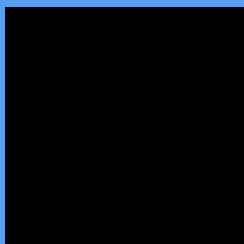
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

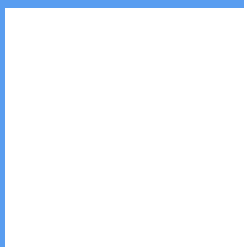
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9050, 32.5291, 87.0352

Background



This preview shows how black text looks on a background with the XYZ color 31.9050, 32.5291, 87.0352.



This preview shows how white text looks on a background with the XYZ color 31.9050, 32.5291,

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

31.9050, 32.5291, 87.0352

Protanopia

34.3742, 32.4165, 83.0425

Deuteranopia

33.4962, 32.5879, 87.7437



Tritanopia

24.4351, 32.6831, 49.2766

Trichromacy



Original Color

31.9050, 32.5291, 87.0352

Protanomaly

33.2328, 32.2764, 84.5992

Deuteranomaly

32.8541, 32.5029, 87.7612

Tritanomaly

26.7604, 32.5242, 61.3673

Monochromacy



Original Color

31.9050, 32.5291, 87.0352

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.6020, 29.4680, 47.4131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9050, 32.5291, 87.0352 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(89, 157, 240)` looks like.

```
.text, #text, p{  
    color:rgb(89, 157, 240)  
}
```

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(89, 157, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 157, 240) }
```

Border

The CSS property to change the border of an element to XYZ 31.9050, 32.5291, 87.0352 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(89, 157, 240) }
```


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

```
.border{ border-color:rgb(89, 157, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 157, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 157, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 157, 240);  
box-shadow:4px 4px 4px 4px rgb(89, 157,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9050, 32.5291, 87.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 157, 240) }
```

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

```
.background{ background-color: rgb(89, 157,  
240) }
```

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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