

Converting Colors

XYZ(32.7756, 32.9978, 80.5170)

Have a look what the booklet for
XYZ(32.7756, 32.9978, 80.5170)
contains.

XYZ(32.7874, 33.1347, 80.2689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.7874, 33.1347,
80.2689)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9DE7
RGB	109, 157, 231
RGB Percent	43%, 62%, 91%
CMY	0.5725, 0.3843, 0.0941
CMYK	0.53, 0.32, 0.00, 0.09
HSL	216°, 72%, 67%
HSV	216°, 53%, 91%
XYZ	32.7874, 33.1347, 80.2689
YIQ	151.0840, -52.3620, 12.8380

Conversions

Conversions Part 2

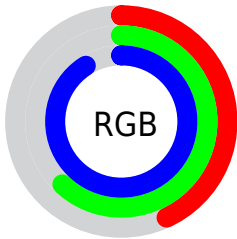
Format	Color
RYB	109, 143, 231
Decimal	7183847
CIELab	64.27, 4.67, -42.28
CIELCh	64, 42.534, 276.310
Yxy	33.1347, 0.2243, 0.2267
Android (android.graphics.Color)	4285373927 (0xFF6D9DE7)
YUV	151.0840, 39.3986, -36.9077
Hunter-Lab	57.5627, 0.9377, -42.3836

Details

The XYZ color **32.7874, 33.1347, 80.2689** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.6501, 51.9617, 21.7241**, and the grayscale version is **29.3052, 30.8314, 33.5754**.

A 20% lighter version of the original color is **57.2806, 62.0240, 103.5606**, and **14.0642, 14.0076, 42.5199** is the 20% darker color. If you saturate the color by 10%, you get **28.0740, 27.3856, 79.4083**, and if you desaturate by 10%, it is **38.5217, 39.8148, 81.2567**.

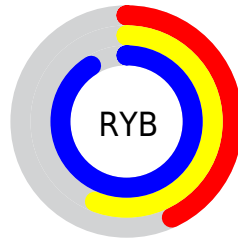
Distribution



Red (43%)

Green (62%)

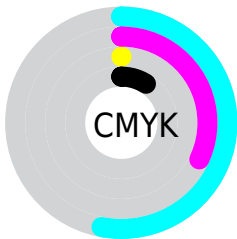
Blue (91%)



Red (43%)

Yellow (56%)

Blue (91%)

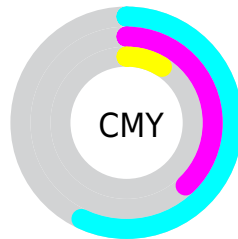


Cyan (53%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (57%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7874, 33.1347, 80.2689 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 32.7874, 33.1347, 80.2689 by changing the saturation by 10% instead.

■ 32.7874, 33.1347,
80.2689

■ 32.7874, 33.1347,
80.2689

306.3726,
316.2563, 515.5692

■ 22.1221, 22.2297,
59.4122

■ 63.4004, 64.5858,
135.5585

■ 14.0637, 14.0257,
42.5228

■ 84.0787, 85.9006,
170.8285

■ 8.2470, 8.1386,
29.1823

■ 108.8255,
111.4541, 211.7401

■ 4.3065, 4.1837,
18.9720

138.0060,
141.6308, 258.7116

■ 1.8770, 1.7769,
11.4734

171.9856,
176.8149, 312.1618

■ 0.5634, 0.4727,
6.2681

211.1297,

■ 0.0000, 0.0000,

217.3909, 372.5091

2.9373

255.8036,
263.7432, 440.1720

■ 0.0000, 0.0000,
1.0627

■ 0.0000, 0.0000,
0.0000

■ 32.7874, 33.1347,
80.2689

■ 32.7874, 33.1347,
80.2689

■ 28.0740, 27.3856,
79.4083

■ 38.5217, 39.8148,
81.2567

■ 24.3089, 22.5149,
78.6666

■ 45.3353, 47.4672,
82.3747

■ 21.4146, 18.4688,
78.0382

■ 53.2862, 56.1349,
83.6286

■ 19.2975, 15.1839,
77.5157

■ 62.4271, 65.8567,
85.0233

■ 18.1551, 13.2319,
77.1991

■ 72.8071, 76.6693,
86.5633

■ 84.4725, 88.6077,
88.2528

■ 91.4239, 98.5496,
89.8054

Harmonies

Analogous

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



27.0535, 33.1347, 75.9162



32.7874, 33.1347, 80.2689



38.8841, 33.1347, 70.0698

Triad

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



32.7874, 33.1347, 80.2689



41.8109, 33.1347, 19.7479



22.0098, 33.1347, 24.2953

Complementary

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



32.7874, 33.1347, 80.2689



52.6501, 51.9617, 21.7241

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.



25.1043, 33.1347, 15.3634



32.7874, 33.1347, 80.2689



36.3946, 33.1347, 13.3856

Square

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



32.7874, 33.1347, 80.2689



44.5061, 33.1347, 32.5442



30.2342, 33.1347, 12.0868



21.3022, 33.1347, 39.8588

Rectangle

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



32.7874, 33.1347, 80.2689



42.1799, 33.1347, 57.8541



30.2342, 33.1347, 12.0868



22.7842, 33.1347, 20.5932

Sweetspot

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



32.7886, 33.1359, 80.2697



74.2070, 78.2803, 105.8062



43.3479, 63.7897, 54.3938



15.3721, 16.2122, 22.5690



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.



32.7886, 33.1359, 80.2697



34.8532, 33.9205, 99.3181



27.8070, 20.7877, 78.1488



14.0457, 14.8127, 18.2632



10.2906, 7.6434, 43.3161



0.8488, 0.7416, 3.2304

Inverse Universe

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



44.5105, 30.3618, 35.4138



51.4072, 31.7811, 35.5723



60.4904, 73.2859, 25.4268



14.6106, 14.4614, 16.1500



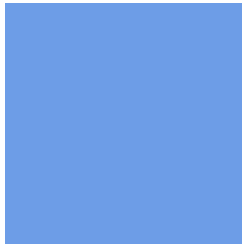
19.5877, 9.9693, 6.7241



1.4921, 0.7545, 0.7319

Previews

White Background



This preview shows how the XYZ color 32.7874, 33.1347, 80.2689 looks on a white background.

Color Contrast Check

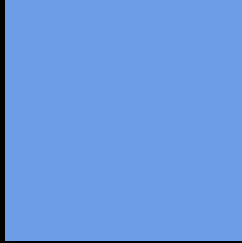
Large Text (above 18pt) WCAG AA × Fail

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 32.7874, 33.1347, 80.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

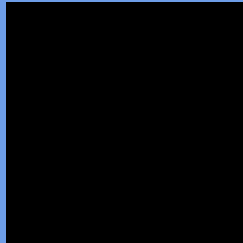
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

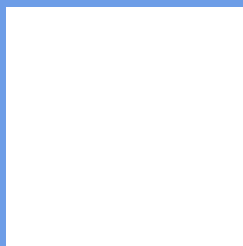
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7874, 33.1347, 80.2689

Background



This preview shows how black text looks on a background with the XYZ color 32.7874, 33.1347, 80.2689.

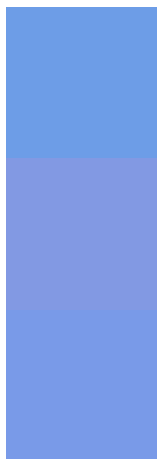


This preview shows how white text looks on a background with the XYZ color 32.7874, 33.1347,

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

32.7874, 33.1347, 80.2689

Protanopia

34.4623, 33.0743, 77.2407

Deuteranopia

34.0062, 33.0023, 80.9217



Tritanopia

26.3713, 33.1569, 48.1900

Trichromacy



Original Color

32.7874, 33.1347, 80.2689

Protanomaly

33.5852, 32.8502, 77.9694

Deuteranomaly

33.6230, 33.0508, 80.9513

Tritanomaly

28.4430, 32.9146, 58.8869

Monochromacy



Original Color

32.7874, 33.1347, 80.2689

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7828, 31.3120, 47.6541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7874, 33.1347, 80.2689 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(109, 157, 231)` looks like.

```
.text, #text, p{  
    color:rgb(109, 157, 231)  
}
```

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(109, 157, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 157, 231) }
```

Border

The CSS property to change the border of an element to XYZ 32.7874, 33.1347, 80.2689 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(109, 157, 231) }
```


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

```
.border{ border-color:rgb(109, 157, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 157, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 157, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 157, 231);  
box-shadow:4px 4px 4px 4px rgb(109, 157,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7874, 33.1347, 80.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 157, 231) }
```

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

```
.background{ background-color: rgb(109,  
157, 231) }
```

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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