

Converting Colors

XYZ(32.1003, 33.1904, 81.8050)

Have a look what the booklet for
XYZ(32.1003, 33.1904, 81.8050)
contains.

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Color

**XYZ(32.1431, 33.2761,
81.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	629FE9
RGB	98, 159, 233
RGB Percent	38%, 62%, 91%
CMY	0.6157, 0.3765, 0.0863
CMYK	0.58, 0.32, 0.00, 0.09
HSL	213°, 75%, 65%
HSV	213°, 58%, 91%
XYZ	32.1431, 33.2761, 81.8196
YIQ	149.1970, -60.1100, 10.0820

Conversions

Conversions Part 2

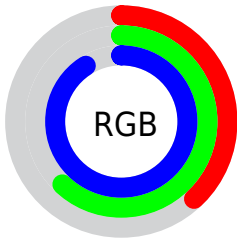
Format	Color
R _{YB}	98, 140, 233
Decimal	6463465
CIE Lab	64.38, 1.87, -43.24
CIE LCh	64, 43.276, 272.478
Yxy	33.2761, 0.2183, 0.2260
Android (android.graphics.Color)	4284653545 (0xFF629FE9)
YUV	149.1970, 41.3149, -44.8998
Hunter-Lab	57.6854, -1.4869, -43.7157

Details

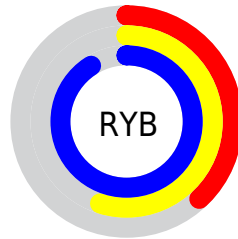
The XYZ color **32.1431, 33.2761, 81.8196** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.5631, 47.7130, 18.1015**, and the grayscale version is **28.5008, 29.9851, 32.6538**.

A 20% lighter version of the original color is **55.7489, 61.9766, 103.6321**, and **13.6993, 14.1061, 43.5957** is the 20% darker color. If you saturate the color by 10%, you get **27.9012, 27.9960, 81.0247**, and if you desaturate by 10%, it is **37.3459, 39.3896, 82.7261**.

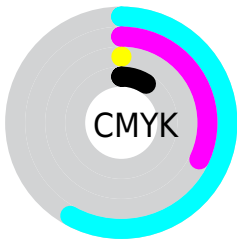
Distribution



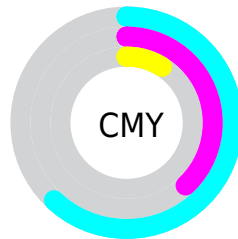
- Red (38%)
- Green (62%)
- Blue (91%)



- Red (38%)
- Yellow (55%)
- Blue (91%)



- Cyan (58%)
- Magenta (32%)
- Yellow (0%)
- Black (9%)



- Cyan (62%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1431, 33.2761, 81.8196 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 32.1431, 33.2761, 81.8196 by changing the saturation by 10% instead.

■ 32.1431, 33.2761,
81.8196

■ 32.1431, 33.2761,
81.8196

303.5043,
316.8920, 520.9117

■ 21.6269, 22.3380,
60.6819

■ 62.3990, 64.8063,
137.7554

■ 13.6981, 14.1055,
43.5396

■ 82.8695, 86.1673,
173.3906

■ 7.9913, 8.1941,
29.9742

■ 107.3887,
111.7714, 214.6953

■ 4.1411, 4.2194,
19.5671

■ 136.3221,
142.0030, 262.0882

■ 1.7823, 1.7970,
11.8998

170.0350,
177.2464, 315.9877

■ 0.5070, 0.4853,
6.5538

208.8928,

■ 0.0000, 0.0000,

217.8861, 376.8125

3.1105

253.2608,
264.3065, 444.9809

■ 0.0000, 0.0000,
1.1513

■ 0.0000, 0.0000,
0.0000

■ 32.1431, 33.2761,
81.8196

■ 32.1431, 33.2761,
81.8196

■ 27.9012, 27.9960,
81.0247

■ 37.3459, 39.3896,
82.7261

■ 24.5442, 23.4983,
80.3335

■ 43.5703, 46.3758,
83.7465

■ 21.9891, 19.7300,
79.7408

■ 50.8755, 54.2753,
84.8862

■ 20.1217, 16.6210,
79.2391

■ 59.3152, 63.1247,
86.1495

■ 19.7881, 16.0432,
79.1452

■ 68.9391, 72.9582,
87.5403

■ 79.7940, 83.8083,
89.0625

■ 89.6411, 94.5291,
90.6128

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



26.4616, 33.2761, 75.4365



32.1431, 33.2761, 81.8196



38.4281, 33.2761, 73.0690

Triad

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



32.1431, 33.2761, 81.8196



42.7160, 33.2761, 20.8917



22.2391, 33.2761, 22.7025

Complementary

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



32.1431, 33.2761, 81.8196



50.5631, 47.7130, 18.1015

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.



25.6814, 33.2761, 14.4796



32.1431, 33.2761, 81.8196



37.4264, 33.2761, 13.6979

Square

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



32.1431, 33.2761, 81.8196



45.0070, 33.2761, 34.7843



31.1183, 33.2761, 11.8012



21.2039, 33.2761, 37.7194

Rectangle

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



32.1431, 33.2761, 81.8196



41.9892, 33.2761, 61.0850



31.1183, 33.2761, 11.8012



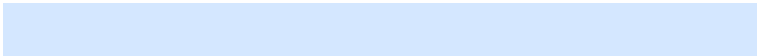
23.1289, 33.2761, 19.2421

Sweetspot

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



32.1443, 33.2773, 81.8204



73.7429, 78.4497, 105.8634



41.4329, 63.7778, 48.1586



15.3064, 16.2972, 22.5889



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.



32.1443, 33.2773, 81.8204



33.1532, 32.9427, 99.2190



24.6135, 17.4744, 79.1671



14.7917, 15.6699, 19.1672



11.3482, 9.3435, 44.9483



0.9860, 0.9235, 3.5612

Inverse Universe

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



44.2311, 28.5637, 35.9839



49.9579, 28.9376, 34.9191



63.4982, 75.7364, 22.8288



15.3484, 15.1672, 17.1201



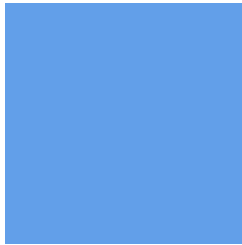
20.5834, 10.4360, 8.8733



1.6642, 0.8386, 0.9490

Previews

White Background



This preview shows how the XYZ color 32.1431, 33.2761, 81.8196 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 32.1431, 33.2761, 81.8196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

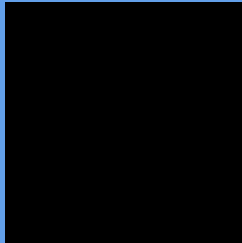
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

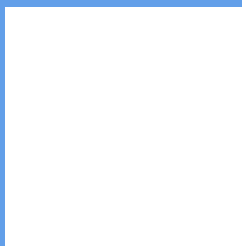
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1431, 33.2761, 81.8196

Background



This preview shows how black text looks on a background with the XYZ color 32.1431, 33.2761, 81.8196.

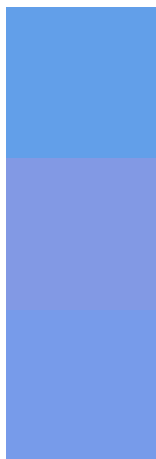


This preview shows how white text looks on a background with the XYZ color 32.1431, 33.2761,

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

32.1431, 33.2761, 81.8196

Protanopia

34.6007, 33.1297, 77.9698

Deuteranopia

34.1804, 33.3051, 82.4689



Tritanopia

25.7958, 33.3726, 49.8817

Trichromacy



Original Color

32.1431, 33.2761, 81.8196

Protanomaly

33.4755, 33.0074, 79.4696

Deuteranomaly

33.2953, 33.0970, 82.4754

Tritanomaly

27.7441, 33.0586, 60.1770

Monochromacy



Original Color

32.1431, 33.2761, 81.8196

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8354, 30.8236, 47.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1431, 33.2761, 81.8196 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(98, 159, 233)` looks like.

```
.text, #text, p{  
    color:rgb(98, 159, 233)  
}
```

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(98, 159, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 159, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.1431, 33.2761, 81.8196 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(98, 159, 233) }
```


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

```
.border{ border-color:rgb(98, 159, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 159, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 159, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 159, 233);  
box-shadow:4px 4px 4px 4px rgb(98, 159,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1431, 33.2761, 81.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 159, 233) }
```

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

```
.background{ background-color: rgb(98, 159,  
233) }
```

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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