

Converting Colors

XYZ(32.1231, 33.0137, 61.8060)

Have a look what the booklet for
XYZ(32.1231, 33.0137, 61.8060)
contains.

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Color

**XYZ(32.1476, 32.9619,
61.7947)**

Conversions

Conversions Part 1

Format	Color
Hex	839CCC
RGB	131, 156, 204
RGB Percent	51%, 61%, 80%
CMY	0.4863, 0.3882, 0.2000
CMYK	0.36, 0.24, 0.00, 0.20
HSL	219°, 42%, 66%
HSV	219°, 36%, 80%
XYZ	32.1476, 32.9619, 61.7947
YIQ	153.9970, -30.3080, 9.6280

Conversions

Conversions Part 2

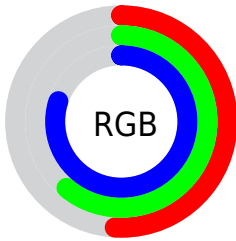
Format	Color
RYB	131, 150, 204
Decimal	8625356
CIELab	64.13, 2.98, -27.43
CIELCh	64, 27.594, 276.203
Yxy	32.9619, 0.2533, 0.2597
Android (android.graphics.Color)	4286815436 (0xFF839CCC)
YUV	153.9970, 24.6515, -20.1684
Hunter-Lab	57.4125, -0.5223, -23.6268

Details

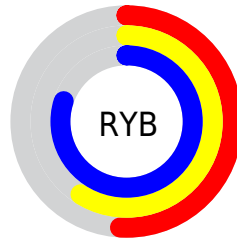
The XYZ color **32.1476, 32.9619, 61.7947** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.1193, 46.7168, 28.1129**, and the grayscale version is **30.6195, 32.2141, 35.0812**.

A 20% lighter version of the original color is **61.3463, 63.7523, 103.6799**, and **13.6985, 13.9249, 30.8199** is the 20% darker color. If you saturate the color by 10%, you get **27.1658, 27.2354, 60.9525**, and if you desaturate by 10%, it is **38.0022, 39.5088, 62.7504**.

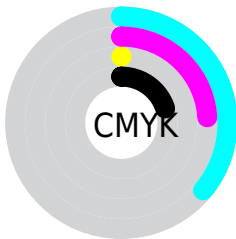
Distribution



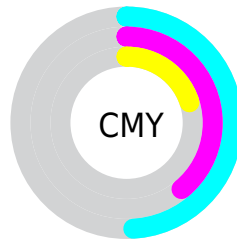
- Red (51%)
- Green (61%)
- Blue (80%)



- Red (51%)
- Yellow (59%)
- Blue (80%)



- Cyan (36%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1476, 32.9619, 61.7947 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 32.1476, 32.9619, 61.7947 by changing the saturation by 10% instead.

■ 32.1476, 32.9619,
61.7947

■ 32.1476, 32.9619,
61.7947

303.5244,
315.4780, 449.1688

■ 21.6304, 22.0973,
44.4321

■ 62.4060, 64.3160,
108.9975

■ 13.7006, 13.9284,
30.6707

■ 82.8779, 85.5743,
139.6747

■ 7.9930, 8.0709,
20.0918

■ 107.3988,
111.0660, 175.6273

■ 4.1423, 4.1403,
12.2771

136.3339,
141.1753, 217.2738

■ 1.7829, 1.7524,
6.8079

170.0487,
176.2868, 265.0326

■ 0.5074, 0.4572,
3.2656

208.9085,

■ 0.0000, 0.0000,

216.7848, 319.3223

1.2318

253.2786,
263.0538, 380.5616

■ 0.0000, 0.0000,
0.0049

■ 0.0000, 0.0000,
0.0000

■ 32.1476, 32.9619,
61.7947

■ 32.1476, 32.9619,
61.7947

■ 27.1658, 27.2354,
60.9525

■ 38.0022, 39.5088,
62.7504

■ 23.0089, 22.2905,
60.2172

■ 44.7677, 46.9050,
63.8214

■ 19.6288, 18.0905,
59.5846

■ 52.4838, 55.1825,
65.0125

■ 16.9711, 14.5942,
59.0499

■ 61.1868, 64.3706,
66.3272

■ 14.9730, 11.7550,
58.6071

■ 70.9111, 74.4970,
67.7693

■ 13.5585, 9.5185,
58.2500

■ 81.6893, 85.5882,
69.3421

■ 13.0810, 8.7232,
58.1217

■ 86.2930, 93.9273,
70.7090

■ 87.8992, 97.1397,
71.2444

Harmonies

Analogous

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



28.3961, 32.9619, 59.3811



32.1476, 32.9619, 61.7947



35.9769, 32.9619, 56.1898

Triad

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



32.1476, 32.9619, 61.7947



37.7874, 32.9619, 24.6278



24.9489, 32.9619, 27.8932

Complementary

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



32.1476, 32.9619, 61.7947



45.1193, 46.7168, 28.1129

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.



27.1003, 32.9619, 21.1835



32.1476, 32.9619, 61.7947



34.4579, 32.9619, 19.5903

Square

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



32.1476, 32.9619, 61.7947



39.4028, 32.9619, 33.6162



30.5250, 32.9619, 18.4751



24.4416, 32.9619, 38.2638

Rectangle

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



32.1476, 32.9619, 61.7947



37.9926, 32.9619, 49.2303



30.5250, 32.9619, 18.4751



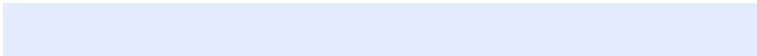
25.4945, 32.9619, 25.2075

Sweetspot

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



32.1487, 32.9632, 61.7955



79.8687, 83.8546, 106.5838



39.0349, 51.2442, 50.1914



16.7245, 17.5499, 22.7560



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.



32.1487, 32.9632, 61.7955



46.7023, 47.0984, 101.2372



30.1631, 26.3396, 60.6217



10.9106, 11.4617, 14.2076



8.3116, 5.6472, 36.6082



0.4991, 0.4320, 1.9120

Inverse Universe

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



39.0198, 31.4713, 35.4719



59.9561, 45.0328, 50.2788



47.6954, 56.1692, 29.8016



11.3683, 11.2760, 12.4738



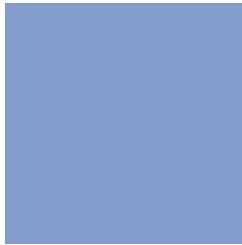
16.4062, 8.3731, 4.5918



0.8819, 0.4462, 0.4238

Previews

White Background



This preview shows how the XYZ color 32.1476, 32.9619, 61.7947 looks on a white background.

Color Contrast Check

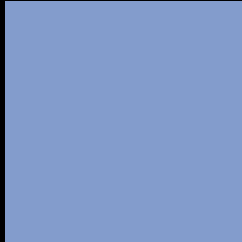
Large Text (above 18pt) WCAG AA × Fail

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 32.1476, 32.9619, 61.7947 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

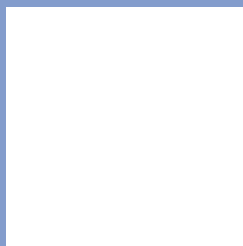
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1476, 32.9619, 61.7947

Background



This preview shows how black text looks on a background with the XYZ color 32.1476, 32.9619, 61.7947.

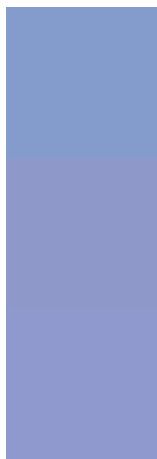


This preview shows how white text looks on a background with the XYZ color 32.1476, 32.9619,

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

32.1476, 32.9619, 61.7947

Protanopia

33.2072, 32.7975, 60.4575

Deuteranopia

33.7384, 33.0299, 62.3548



Tritanopia

28.6970, 32.8308, 44.8689

Trichromacy



Original Color

32.1476, 32.9619, 61.7947

Protanomaly

32.8163, 32.8263, 61.1064

Deuteranomaly

33.2225, 33.0079, 62.3778

Tritanomaly

29.9075, 32.8111, 50.6558

Monochromacy



Original Color

32.1476, 32.9619, 61.7947

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0218, 32.5322, 43.6741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1476, 32.9619, 61.7947 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(131, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(131, 156, 204)  
}
```

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(131, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 156, 204) }
```

Border

The CSS property to change the border of an element to XYZ 32.1476, 32.9619, 61.7947 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(131, 156, 204) }
```


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

```
.border{ border-color:rgb(131, 156, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 156, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(131, 156,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1476, 32.9619, 61.7947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 156, 204) }
```

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

```
.background{ background-color: rgb(131,  
156, 204) }
```

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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