

Converting Colors

XYZ(32.5706, 33.9688, 63.4241)

Have a look what the booklet for
XYZ(32.5706, 33.9688, 63.4241)
contains.

XYZ(32.4408, 33.8417, 63.2148)	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(32.4408, 33.8417,
63.2148)**

Conversions

Conversions Part 1

Format	Color
Hex	809FCE
RGB	128, 159, 206
RGB Percent	50%, 62%, 81%
CMY	0.4980, 0.3765, 0.1922
CMYK	0.38, 0.23, 0.00, 0.19
HSL	216°, 44%, 65%
HSV	216°, 38%, 81%
XYZ	32.4408, 33.8417, 63.2148
YIQ	155.0890, -33.5630, 8.0450

Conversions

Conversions Part 2

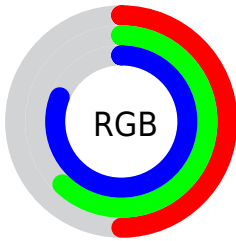
Format	Color
R_{YB}	128, 150, 206
Decimal	8429518
CIE Lab	64.84, 0.99, -27.47
CIE LCh	65, 27.490, 272.066
Yxy	33.8417, 0.2505, 0.2613
Android (android.graphics.Color)	4286619598 (0xFF809FCE)
YUV	155.0890, 25.0991, -23.7571
Hunter-Lab	58.1736, -2.2624, -23.7064

Details

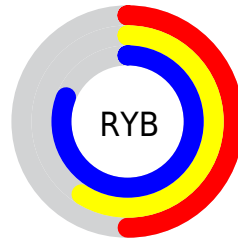
The XYZ color **32.4408, 33.8417, 63.2148** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6806, 45.3411, 26.8200**, and the grayscale version is **31.0991, 32.7186, 35.6306**.

A 20% lighter version of the original color is **61.6250, 65.3804, 103.9794**, and **13.9317, 14.4880, 31.7679** is the 20% darker color. If you saturate the color by 10%, you get **27.6228, 28.3473, 62.4088**, and if you desaturate by 10%, it is **38.1044, 40.0917, 64.1233**.

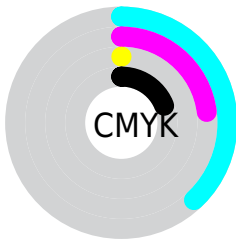
Distribution



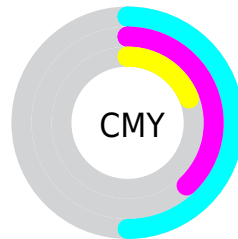
- Red (50%)
- Green (62%)
- Blue (81%)



- Red (50%)
- Yellow (59%)
- Blue (81%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4408, 33.8417, 63.2148 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 32.4408, 33.8417, 63.2148 by changing the saturation by 10% instead.

■ 32.4408, 33.8417,
63.2148

■ 32.4408, 33.8417,
63.2148

304.8321,
319.4256, 454.4780

■ 21.8556, 22.7720,
45.5729

■ 62.8620, 65.6874,
111.0679

■ 13.8668, 14.4253,
31.5627

■ 83.4288, 87.2323,
142.1162

■ 8.1092, 8.4170,
20.7656

■ 108.0534,
113.0376, 178.4703

■ 4.2173, 4.3629,
12.7632

137.1012,
143.4878, 220.5489

■ 1.8258, 1.8786,
7.1369

170.9377,
178.9673, 268.7704

■ 0.5331, 0.5355,
3.4681

209.9281,

■ 0.0000, 0.0000,

219.8606, 323.5534

1.3383

254.4377,
266.5518, 385.3164

■ 0.0000, 0.0000,
0.0929

■ 0.0000, 0.0000,
0.0000

■ 32.4408, 33.8417,
63.2148

■ 32.4408, 33.8417,
63.2148

■ 27.6228, 28.3473,
62.4088

■ 38.1044, 40.0917,
64.1233

■ 23.6025, 23.5723,
61.6990

■ 44.6515, 47.1236,
65.1355

■ 20.3318, 19.4829,
61.0821

■ 52.1213, 54.9669,
66.2557

■ 17.7559, 16.0404,
60.5534

■ 60.5498, 63.6485,
67.4872

■ 15.8107, 13.2011,
60.1079

■ 69.9710, 73.1940,
68.8331

■ 14.4071, 10.9073,
59.7391

■ 80.4171, 83.6275,
70.2964

■ 14.1484, 10.4718,
59.6687

■ 85.3037, 91.5623,
71.5704

■ 88.1407, 97.2363,
72.5161

Harmonies

Analogous

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



28.7293, 33.8417, 59.6632



32.4408, 33.8417, 63.2148



36.3791, 33.8417, 58.5858

Triad

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



32.4408, 33.8417, 63.2148



39.0583, 33.8417, 26.4420



25.8972, 33.8417, 27.5485

Complementary

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



32.4408, 33.8417, 63.2148



44.6806, 45.3411, 26.8200

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.



28.2906, 33.8417, 21.2869



32.4408, 33.8417, 63.2148



35.8654, 33.8417, 20.7463

Square

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



32.4408, 33.8417, 63.2148



40.3895, 33.8417, 36.0673



31.8918, 33.8417, 19.0710



25.1413, 33.8417, 37.6396

Rectangle

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



32.4408, 33.8417, 63.2148



38.5517, 33.8417, 51.9428



31.8918, 33.8417, 19.0710



26.5267, 33.8417, 25.0035

Sweetspot

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



32.4419, 33.8430, 63.2156



80.3159, 84.7491, 106.7328



38.6926, 51.8199, 48.4184



16.8307, 17.7624, 22.7914



0.0000, 0.0000, 0.0000



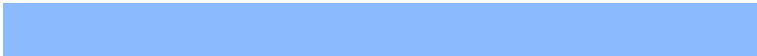
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.4419, 33.8430, 63.2156



46.4361, 47.8745, 101.4010



28.9817, 25.1133, 61.7130



10.9615, 11.5634, 14.2246



8.8010, 6.6260, 36.7713



0.5276, 0.4889, 1.9215

Inverse Universe

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



39.4317, 31.0645, 36.7200



59.5023, 43.6284, 51.6594



49.3098, 57.7348, 28.9683



11.3939, 11.2863, 12.6090



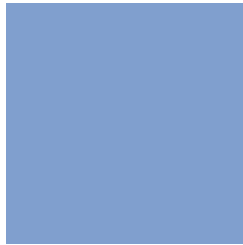
16.6532, 8.4719, 5.8926



0.8963, 0.4519, 0.4995

Previews

White Background



This preview shows how the XYZ color 32.4408, 33.8417, 63.2148 looks on a white background.

Color Contrast Check

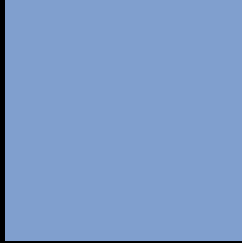
Large Text (above 18pt) WCAG AA × Fail

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 32.4408, 33.8417, 63.2148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

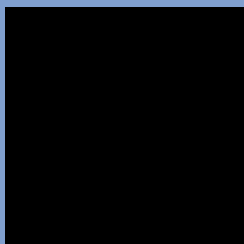
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

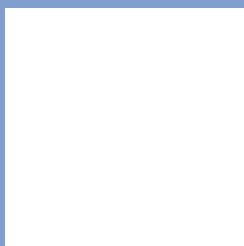
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4408, 33.8417, 63.2148

Background



This preview shows how black text looks on a background with the XYZ color 32.4408, 33.8417, 63.2148.

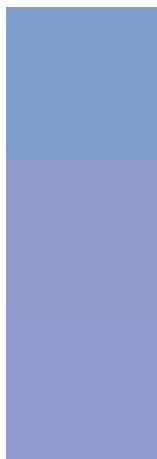


This preview shows how white text looks on a background with the XYZ color 32.4408, 33.8417,

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

32.4408, 33.8417, 63.2148

Protanopia

34.0024, 33.6838, 61.2094

Deuteranopia

34.4951, 33.6359, 63.7058



Tritanopia

29.0964, 33.7902, 46.5836

Trichromacy



Original Color

32.4408, 33.8417, 63.2148

Protanomaly

33.2688, 33.5398, 61.8471

Deuteranomaly

33.7984, 33.7709, 63.7686

Tritanomaly

30.3096, 33.7566, 52.4951

Monochromacy



Original Color

32.4408, 33.8417, 63.2148

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2055, 32.8527, 44.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4408, 33.8417, 63.2148 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(128, 159, 206)` looks like.

```
.text, #text, p{  
    color:rgb(128, 159, 206)  
}
```

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(128, 159, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 159, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.4408, 33.8417, 63.2148 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(128, 159, 206) }
```


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

```
.border{ border-color:rgb(128, 159, 206) }
```

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

Here you see how a box with a 4 pixel rgb(128, 159, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 159, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 159, 206);  
box-shadow:4px 4px 4px 4px rgb(128, 159,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4408, 33.8417, 63.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 159, 206) }
```

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

```
.background{ background-color: rgb(128,  
159, 206) }
```

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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