

Converting Colors

XYZ(32.1212, 33.5203, 62.9953)

Have a look what the booklet for
XYZ(32.1212, 33.5203, 62.9953)
contains.

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Color

**XYZ(32.1198, 33.4220,
63.1507)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9ECE
RGB	127, 158, 206
RGB Percent	50%, 62%, 81%
CMY	0.5019, 0.3804, 0.1922
CMYK	0.38, 0.23, 0.00, 0.19
HSL	216°, 45%, 65%
HSV	216°, 38%, 81%
XYZ	32.1198, 33.4220, 63.1507
YIQ	154.2030, -33.8840, 8.3560

Conversions

Conversions Part 2

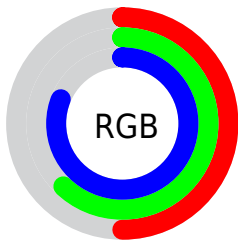
Format	Color
RYB	127, 149, 206
Decimal	8363726
CIELab	64.50, 1.28, -27.99
CIELCh	65, 28.024, 272.620
Yxy	33.4220, 0.2496, 0.2597
Android (android.graphics.Color)	4286553806 (0xFF7F9ECE)
YUV	154.2030, 25.5359, -23.8570
Hunter-Lab	57.8118, -1.9973, -24.2972

Details

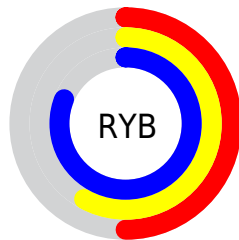
The XYZ color **32.1198, 33.4220, 63.1507** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6150, 45.3147, 26.4749**, and the grayscale version is **30.7072, 32.3064, 35.1816**.

A 20% lighter version of the original color is **60.8849, 64.2521, 103.8007**, and **13.7492, 14.2382, 31.7294** is the 20% darker color. If you saturate the color by 10%, you get **27.3325, 27.9451, 62.3465**, and if you desaturate by 10%, it is **37.7540, 39.6598, 64.0584**.

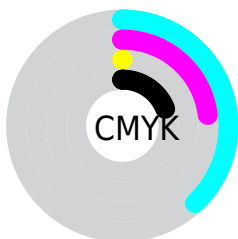
Distribution



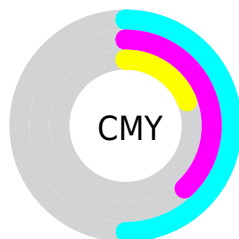
- Red (50%)
- Green (62%)
- Blue (81%)



- Red (50%)
- Yellow (58%)
- 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 32.1198, 33.4220, 63.1507 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 32.1198, 33.4220, 63.1507 by changing the saturation by 10% instead.

■ 32.1198, 33.4220,
63.1507

■ 32.1198, 33.4220,
63.1507

303.4002,
317.5470, 454.2392

■ 21.6090, 22.4499,
45.5214

■ 62.3628, 65.0338,
110.9746

■ 13.6849, 14.1879,
31.5223

■ 82.8257, 86.4423,
142.0062

■ 7.9821, 8.2514,
20.7351

■ 107.3367,
112.0985, 178.3423

■ 4.1352, 4.2563,
12.7412

136.2611,
142.3866, 220.4014

■ 1.7789, 1.8179,
7.1219

169.9643,
177.6911, 268.6021

■ 0.5049, 0.4983,
3.4589

208.8116,

■ 0.0000, 0.0000,

218.3964, 323.3630

1.3334

253.1685,
264.8869, 385.1025

■ 0.0000, 0.0000,
0.0890

■ 0.0000, 0.0000,
0.0000

■ 32.1198, 33.4220,
63.1507

■ 32.1198, 33.4220,
63.1507

■ 27.3325, 27.9451,
62.3465

■ 37.7540, 39.6598,
64.0584

■ 23.3438, 23.1923,
61.6393

■ 44.2733, 46.6851,
65.0708

■ 20.1053, 19.1294,
61.0258

■ 51.7172, 54.5280,
66.1923

■ 17.5615, 15.7172,
60.5012

■ 60.1220, 63.2155,
67.4262

■ 15.6477, 12.9110,
60.0605

■ 69.5218, 72.7736,
68.7756

■ 14.2693, 10.6502,
59.6967

■ 79.9492, 83.2269,
70.2437

■ 14.0711, 10.3171,
59.6429

■ 85.2201, 91.3952,
71.5426

■ 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.



28.3568, 33.4220, 59.6836



32.1198, 33.4220, 63.1507



36.0990, 33.4220, 58.2930

Triad

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



32.1198, 33.4220, 63.1507



38.7002, 33.4220, 25.7546



25.4105, 33.4220, 27.1659

Complementary

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



32.1198, 33.4220, 63.1507



44.6150, 45.3147, 26.4749

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.



27.7955, 33.4220, 20.8033



32.1198, 33.4220, 63.1507



35.4393, 33.4220, 20.1169

Square

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



32.1198, 33.4220, 63.1507



40.0923, 33.4220, 35.3924



31.4160, 33.4220, 18.5138



24.6815, 33.4220, 37.4080

Rectangle

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



32.1198, 33.4220, 63.1507



38.2836, 33.4220, 51.4803



31.4160, 33.4220, 18.5138



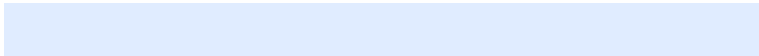
26.0346, 33.4220, 24.5821

Sweetspot

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



32.1209, 33.4233, 63.1515



79.0276, 83.3573, 106.5321



38.5036, 51.7270, 48.2050



16.5715, 17.4802, 22.7506



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.



32.1209, 33.4233, 63.1515



45.5662, 46.7667, 101.2330



28.7065, 24.7787, 61.6629



10.9568, 11.5541, 14.2230



8.7528, 6.5295, 36.7553



0.5249, 0.4835, 1.9206

Inverse Universe

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



39.2154, 30.7702, 36.2215



58.9090, 42.8004, 50.3557



49.2179, 57.6950, 28.6219



11.3916, 11.2854, 12.5966



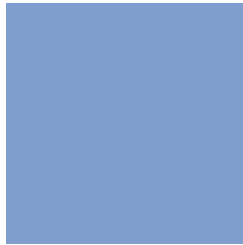
16.6289, 8.4621, 5.7644



0.8949, 0.4514, 0.4923

Previews

White Background



This preview shows how the XYZ color 32.1198, 33.4220, 63.1507 looks on a white background.

Color Contrast Check

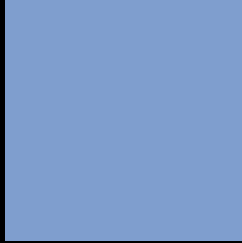
Large Text (above 18pt) WCAG AA × Fail

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 32.1198, 33.4220, 63.1507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

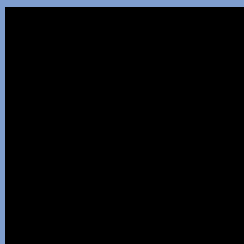
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

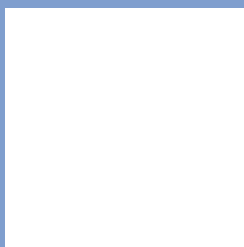
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1198, 33.4220, 63.1507

Background



This preview shows how black text looks on a background with the XYZ color 32.1198, 33.4220, 63.1507.



This preview shows how white text looks on a background with the XYZ color 32.1198, 33.4220,

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

32.1198, 33.4220, 63.1507

Protanopia

33.6628, 33.2626, 61.1460

Deuteranopia

34.1458, 33.4558, 63.6894



Tritanopia

28.6794, 33.3220, 45.9945

Trichromacy



Original Color

32.1198, 33.4220, 63.1507

Protanomaly

32.9370, 33.1207, 61.7837

Deuteranomaly

33.3004, 33.2660, 63.6974

Tritanomaly

29.8829, 33.2885, 51.8640

Monochromacy



Original Color

32.1198, 33.4220, 63.1507

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7658, 32.3891, 44.1654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1198, 33.4220, 63.1507 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(127, 158, 206)` looks like.

```
.text, #text, p{  
    color:rgb(127, 158, 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(127, 158, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 158, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.1198, 33.4220, 63.1507 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(127, 158, 206) }
```


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

```
.border{ border-color:rgb(127, 158, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 158, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 158, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 158, 206);  
box-shadow:4px 4px 4px 4px rgb(127, 158,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1198, 33.4220, 63.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 158, 206) }
```

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

```
.background{ background-color: rgb(127,  
158, 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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