

Converting Colors

XYZ(32.2998, 32.9143, 73.4078)

Have a look what the booklet for
XYZ(32.2998, 32.9143, 73.4078)
contains.

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Color

**XYZ(32.4442, 33.1009,
73.7864)**

Conversions

Conversions Part 1

Format	Color
Hex	749DDE
RGB	116, 157, 222
RGB Percent	45%, 62%, 87%
CMY	0.5451, 0.3843, 0.1294
CMYK	0.48, 0.29, 0.00, 0.13
HSL	217°, 62%, 66%
HSV	217°, 48%, 87%
XYZ	32.4442, 33.1009, 73.7864
YIQ	152.1510, -45.3010, 11.5230

Conversions

Conversions Part 2

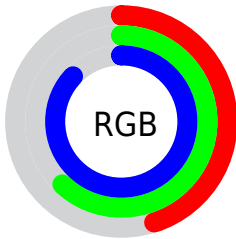
Format	Color
RYB	116, 146, 222
Decimal	7642590
CIELab	64.24, 3.56, -37.32
CIELCh	64, 37.492, 275.456
Yxy	33.1009, 0.2329, 0.2376
Android (android.graphics.Color)	4285832670 (0xFF749DDE)
YUV	152.1510, 34.4356, -31.7044
Hunter-Lab	57.5334, -0.0238, -35.7659

Details

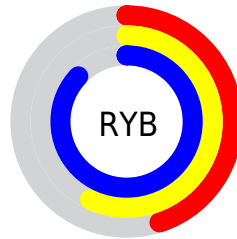
The XYZ color **32.4442, 33.1009, 73.7864** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.8015, 49.8395, 23.5194**, and the grayscale version is **29.7812, 31.3322, 34.1207**.

A 20% lighter version of the original color is **58.5778, 62.6928, 103.6213**, and **13.9327, 14.0279, 38.5325** is the 20% darker color. If you saturate the color by 10%, you get **27.6620, 27.4053, 72.9397**, and if you desaturate by 10%, it is **38.1905, 39.6756, 74.7532**.

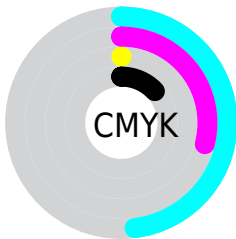
Distribution



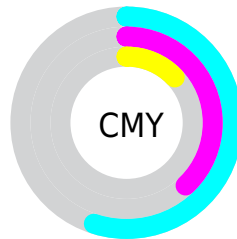
- Red (45%)
- Green (62%)
- Blue (87%)



- Red (45%)
- Yellow (57%)
- Blue (87%)



- Cyan (48%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4442, 33.1009, 73.7864 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 32.4442, 33.1009, 73.7864 by changing the saturation by 10% instead.

■ 32.4442, 33.1009,
73.7864

■ 32.4442, 33.1009,
73.7864

304.8472,
316.1041, 492.8795

■ 21.8582, 22.2038,
54.1235

■ 62.8673, 64.5330,
126.3242

■ 13.8688, 14.0067,
38.3066

■ 83.4351, 85.8368,
160.0362

■ 8.1105, 8.1253,
25.9170

■ 108.0610,
111.3782, 199.2683

■ 4.2182, 4.1752,
16.5364

137.1101,
141.5417, 244.4391

■ 1.8263, 1.7721,
9.7460

170.9480,
176.7117, 295.9670

■ 0.5334, 0.4697,
5.1275

209.9399,

■ 0.0000, 0.0000,

217.2724, 354.2707

2.2622

254.4512,
263.6085, 419.7687

■ 0.0000, 0.0000,
0.7099

■ 0.0000, 0.0000,
0.0000

■ 32.4442, 33.1009,
73.7864

■ 32.4442, 33.1009,
73.7864

■ 27.6620, 27.4053,
72.9397

■ 38.1905, 39.6756,
74.7532

■ 23.7809, 22.5423,
72.2056

■ 44.9513, 47.1656,
75.8426

■ 20.7353, 18.4654,
71.5792

■ 52.7775, 55.6091,
77.0599

■ 18.4479, 15.1209,
71.0542

■ 61.7156, 65.0407,
78.4093

■ 16.8146, 12.4404,
70.6229

■ 71.8089, 75.4935,
79.8949

■ 16.5022, 11.9085,
70.5367

■ 83.0985, 86.9986,
81.5206

■ 89.3283, 96.3408,
82.9954

■ 90.1849, 98.0540,
83.2810

Harmonies

Analogous

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



27.3999, 33.1009, 69.8053



32.4442, 33.1009, 73.7864



37.7773, 33.1009, 65.5656

Triad

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



32.4442, 33.1009, 73.7864



40.5529, 33.1009, 21.5762



23.0422, 33.1009, 25.1883

Complementary

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



32.4442, 33.1009, 73.7864



49.8015, 49.8395, 23.5194

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.



25.8919, 33.1009, 17.0544



32.4442, 33.1009, 73.7864



35.9057, 33.1009, 15.4181

Square

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



32.4442, 33.1009, 73.7864



42.7848, 33.1009, 33.3266



30.4987, 33.1009, 14.0338



22.3361, 33.1009, 38.8995

Rectangle

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



32.4442, 33.1009, 73.7864



40.6636, 33.1009, 55.3405



30.4987, 33.1009, 14.0338



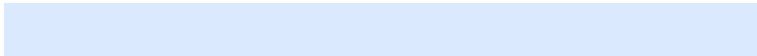
23.7642, 33.1009, 21.8485

Sweetspot

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



32.4454, 33.1021, 73.7872



76.5234, 80.6659, 106.1446



41.5223, 59.2354, 52.2130



15.8274, 16.6806, 22.6354



0.0000, 0.0000, 0.0000



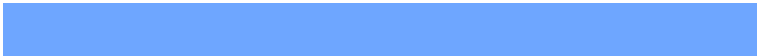
20.3446, 21.4041, 23.3091

Same Dimension

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



32.4454, 33.1021, 73.7872



38.0495, 37.7378, 99.8864



28.1243, 22.2474, 71.9198



13.3846, 14.1083, 17.4054



9.9020, 7.2736, 41.9304



0.7713, 0.6741, 2.9347

Inverse Universe

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



42.4564, 30.4559, 35.5404



53.6492, 35.0849, 39.9583



56.2532, 67.4123, 26.5713



13.9256, 13.7879, 15.3783



18.9383, 9.6423, 6.3408



1.3556, 0.6855, 0.6654

Previews

White Background



This preview shows how the XYZ color 32.4442, 33.1009, 73.7864 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 32.4442, 33.1009, 73.7864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

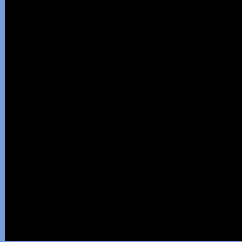
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4442, 33.1009, 73.7864

Background



This preview shows how black text looks on a background with the XYZ color 32.4442, 33.1009, 73.7864.

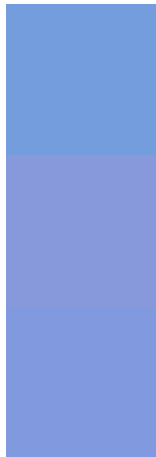


This preview shows how white text looks on a background with the XYZ color 32.4442, 33.1009,

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

32.4442, 33.1009, 73.7864

Protanopia

34.1691, 33.0478, 71.5958

Deuteranopia

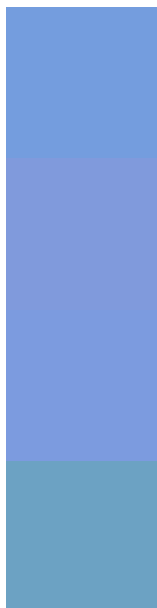
33.9281, 33.1060, 74.4139



Tritanopia

27.1853, 33.0485, 47.5940

Trichromacy



Original Color

32.4442, 33.1009, 73.7864

Protanomaly

33.3760, 32.8677, 72.2951

Deuteranomaly

33.3528, 33.0555, 74.4345

Tritanomaly

28.9550, 32.9689, 56.4673

Monochromacy



Original Color

32.4442, 33.1009, 73.7864

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.1389, 31.7745, 46.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4442, 33.1009, 73.7864 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(116, 157, 222)` looks like.

```
.text, #text, p{  
    color:rgb(116, 157, 222)  
}
```

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(116, 157, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 157, 222) }
```

Border

The CSS property to change the border of an element to XYZ 32.4442, 33.1009, 73.7864 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(116, 157, 222) }
```


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

```
.border{ border-color:rgb(116, 157, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 157, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 157, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 157, 222);  
box-shadow:4px 4px 4px 4px rgb(116, 157,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4442, 33.1009, 73.7864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 157, 222) }
```

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

```
.background{ background-color: rgb(116,  
157, 222) }
```

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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