

Converting Colors

XYZ(32.4562, 36.0855, 71.3383)

Have a look what the booklet for
XYZ(32.4562, 36.0855, 71.3383)
contains.

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Color

**XYZ(32.4832, 36.0705,
71.5799)**

Conversions

Conversions Part 1

Format	Color
Hex	69A8DA
RGB	105, 168, 218
RGB Percent	41%, 66%, 85%
CMY	0.5882, 0.3412, 0.1451
CMYK	0.52, 0.23, 0.00, 0.15
HSL	207°, 60%, 63%
HSV	207°, 52%, 85%
XYZ	32.4832, 36.0705, 71.5799
YIQ	154.8630, -53.5980, 2.1940

Conversions

Conversions Part 2

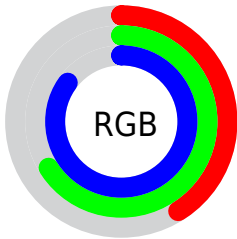
Format	Color
RYB	105, 145, 218
Decimal	6924506
CIELab	66.57, -6.34, -31.53
CIElCh	67, 32.166, 258.625
Yxy	36.0705, 0.2318, 0.2574
Android (android.graphics.Color)	4285114586 (0xFF69A8DA)
YUV	154.8630, 31.1265, -43.7299
Hunter-Lab	60.0587, -8.5597, -28.6226

Details

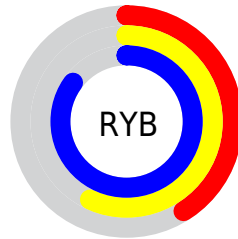
The XYZ color **32.4832, 36.0705, 71.5799** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.1857, 39.3694, 18.6889**, and the grayscale version is **30.9801, 32.5934, 35.4942**.

A 20% lighter version of the original color is **59.3380, 67.6767, 104.5432**, and **13.8950, 15.6706, 36.9427** is the 20% darker color. If you saturate the color by 10%, you get **28.5282, 31.4859, 70.9041**, and if you desaturate by 10%, it is **37.2290, 41.2603, 72.3322**.

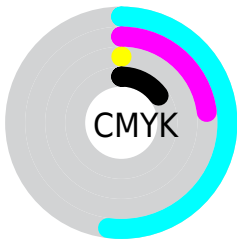
Distribution



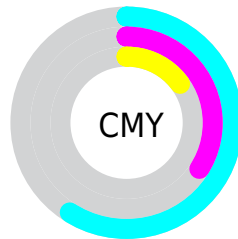
- Red (41%)
- Green (66%)
- Blue (85%)



- Red (41%)
- Yellow (57%)
- Blue (85%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4832, 36.0705, 71.5799 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 32.4832, 36.0705, 71.5799 by changing the saturation by 10% instead.

■ 32.4832, 36.0705,
71.5799

■ 32.4832, 36.0705,
71.5799

305.0209,
329.2686, 485.0162

■ 21.8882, 24.4887,
52.3308

■ 62.9279, 69.1409,
123.1612

■ 13.8909, 15.6965,
36.8848

■ 83.5083, 91.3982,
156.3306

■ 8.1260, 9.3096,
24.8232

■ 108.1479,
117.9828, 194.9771

■ 4.2282, 4.9437,
15.7276

■ 137.2120,
149.2790, 239.5193

■ 1.8320, 2.2143,
9.1793

171.0660,
185.6713, 290.3758

■ 0.5368, 0.7278,
4.7599

210.0753,

■ 0.0000, 0.0000,

227.5441, 347.9651

2.0508

254.6051,
275.2817, 412.7057

■ 0.0000, 0.0000,
0.5863

■ 0.0000, 0.0000,
0.0000

■ 32.4832, 36.0705,
71.5799

■ 32.4832, 36.0705,
71.5799

■ 28.5282, 31.4859,
70.9041

■ 37.2290, 41.2603,
72.3322

■ 25.3062, 27.4704,
70.2989

■ 42.8105, 47.0804,
73.1614

■ 22.7568, 23.9892,
69.7613

■ 49.2732, 53.5590,
74.0713

■ 20.8063, 20.9997,
69.2871

■ 56.6582, 60.7211,
75.0645

■ 19.5582, 18.8684,
68.9415

■ 65.0038, 68.5902,
76.1435

■ 74.3460, 77.1886,
77.3108

■ 83.7539, 86.0398,
78.5234

■ 86.5993, 91.7305,
79.4718

■ 89.5968, 97.7255,
80.4710

Harmonies

Analogous

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



28.4997, 36.0705, 62.8292



32.4832, 36.0705, 71.5799



37.3391, 36.0705, 70.2876

Triad

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



32.4832, 36.0705, 71.5799



43.8682, 36.0705, 31.3713



27.7711, 36.0705, 24.1759

Complementary

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



32.4832, 36.0705, 71.5799



43.1857, 39.3694, 18.6889

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.



31.4001, 36.0705, 19.0638



32.4832, 36.0705, 71.5799



40.8022, 36.0705, 22.4938

Square

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



32.4832, 36.0705, 71.5799



44.2278, 36.0705, 44.7622



36.1500, 36.0705, 18.5306



25.9548, 36.0705, 34.2549

Rectangle

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



32.4832, 36.0705, 71.5799



40.4197, 36.0705, 63.9588



36.1500, 36.0705, 18.5306



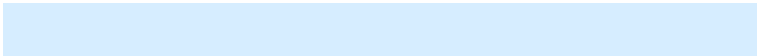
28.8028, 36.0705, 21.9324

Sweetspot

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



32.4844, 36.0718, 71.5808



76.1088, 82.0839, 106.4402



36.7282, 55.4790, 39.3314



15.8244, 17.1168, 22.7198



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.



32.4844, 36.0718, 71.5808



40.3273, 44.4723, 101.0663



24.3350, 19.7730, 68.8643



12.9377, 13.8152, 16.6368



11.8263, 11.5220, 41.3390



0.8516, 0.9172, 2.7066

Inverse Universe

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



41.0339, 27.8370, 40.2575



54.2671, 33.2956, 49.4899



54.6261, 62.2502, 22.5023



13.3584, 13.1725, 15.1488



19.4647, 9.7869, 12.0930



1.3041, 0.6513, 1.0104

Previews

White Background



This preview shows how the XYZ color 32.4832, 36.0705, 71.5799 looks on a white background.

Color Contrast Check

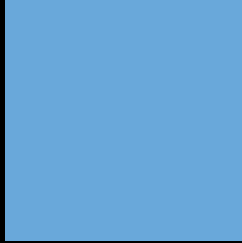
Large Text (above 18pt) WCAG AA × Fail

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 32.4832, 36.0705, 71.5799 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 32.4832, 36.0705, 71.5799

Background



This preview shows how black text looks on a background with the XYZ color 32.4832, 36.0705, 71.5799.

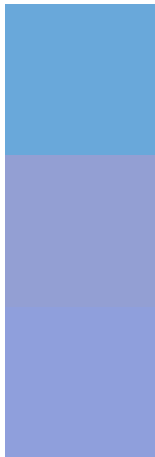


This preview shows how white text looks on a background with the XYZ color 32.4832, 36.0705,

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

32.4832, 36.0705, 71.5799

Protanopia

36.1886, 35.7025, 66.6119

Deuteranopia

36.6441, 35.8032, 72.6895



Tritanopia

28.9325, 36.3358, 53.0656

Trichromacy



Original Color

32.4832, 36.0705, 71.5799

Protanomaly

34.5736, 35.6012, 68.6678

Deuteranomaly

34.7598, 35.6223, 72.0616

Tritanomaly

30.2069, 36.2812, 59.4437

Monochromacy



Original Color

32.4832, 36.0705, 71.5799

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9232, 33.6743, 46.9894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4832, 36.0705, 71.5799 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(105, 168, 218)` looks like.

```
.text, #text, p{  
    color:rgb(105, 168, 218)  
}
```

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(105, 168, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 168, 218) }
```

Border

The CSS property to change the border of an element to XYZ 32.4832, 36.0705, 71.5799 is called "border". The border property can be set on classes, ids or directly on the HTML element.

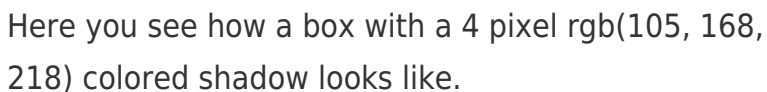
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 168, 218) }
```


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

```
.border{ border-color:rgb(105, 168, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 168, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 168, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 168, 218);  
box-shadow:4px 4px 4px 4px rgb(105, 168,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4832, 36.0705, 71.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 168, 218) }
```

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

```
.background{ background-color: rgb(105,  
168, 218) }
```

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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