

Converting Colors

XYZ(33.1035, 34.1369, 73.8462)

Have a look what the booklet for
XYZ(33.1035, 34.1369, 73.8462)
contains.

XYZ(33.2268, 34.2671, 73.9702)	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(33.2268, 34.2671,
73.9702)**

Conversions

Conversions Part 1

Format	Color
Hex	76A0DE
RGB	118, 160, 222
RGB Percent	46%, 63%, 87%
CMY	0.5372, 0.3725, 0.1294
CMYK	0.47, 0.28, 0.00, 0.13
HSL	216°, 61%, 67%
HSV	216°, 47%, 87%
XYZ	33.2268, 34.2671, 73.9702
YIQ	154.5100, -44.9340, 10.3780

Conversions

Conversions Part 2

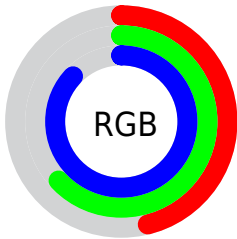
Format	Color
RYB	118, 148, 222
Decimal	7774430
CIELab	65.17, 2.34, -35.86
CIELCh	65, 35.938, 273.728
Yxy	34.2671, 0.2349, 0.2422
Android (android.graphics.Color)	4285964510 (0xFF76A0DE)
YUV	154.5100, 33.2726, -32.0193
Hunter-Lab	58.5381, -1.1233, -33.9436

Details

The XYZ color **33.2268, 34.2671, 73.9702** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.7165, 49.4814, 24.0714**, and the grayscale version is **30.8127, 32.4173, 35.3025**.

A 20% lighter version of the original color is **59.8060, 64.8195, 103.9671**, and **14.3682, 14.7194, 38.6431** is the 20% darker color. If you saturate the color by 10%, you get **28.3859, 28.5455, 73.1216**, and if you desaturate by 10%, it is **39.0238, 40.8455, 74.9351**.

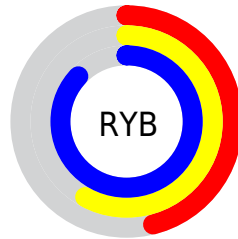
Distribution



Red (46%)

Green (63%)

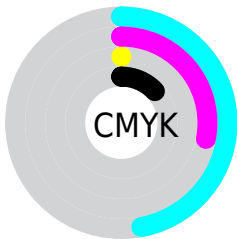
Blue (87%)



Red (46%)

Yellow (58%)

Blue (87%)

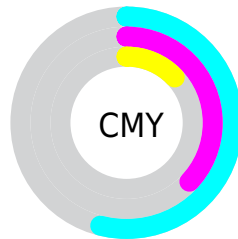


Cyan (47%)

Magenta (28%)

Yellow (0%)

Black (13%)



Cyan (54%)

Magenta (37%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2268, 34.2671, 73.9702 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 33.2268, 34.2671, 73.9702 by changing the saturation by 10% instead.

■ 33.2268, 34.2671,
73.9702

■ 33.2268, 34.2671,
73.9702

308.3174,
321.3214, 493.5312

■ 22.4603, 23.0989,
54.2730

■ 64.0818, 66.3488,
126.5872

■ 14.3140, 14.6665,
38.4253

■ 84.9010, 88.0311,
160.3441

■ 8.4226, 8.5857,
26.0086

■ 109.8018,
113.9868, 199.6247

■ 4.4206, 4.4719,
16.6042

139.1495,
144.6004, 244.8474

■ 1.9427, 1.9409,
9.7938

173.3096,
180.2563, 296.4309

■ 0.6015, 0.5728,
5.1586

212.6474,

■ 0.0000, 0.0000,

221.3388, 354.7937

2.2803

257.5282,
268.2324, 420.3542

■ 0.0000, 0.0000,
0.7201

■ 0.0000, 0.0000,
0.0000

■ 33.2268, 34.2671,
73.9702

■ 33.2268, 34.2671,
73.9702

■ 28.3859, 28.5455,
73.1216

■ 39.0238, 40.8455,
74.9351

■ 24.4393, 23.6356,
72.3819

■ 45.8261, 48.3149,
76.0183

■ 21.3230, 19.4932,
71.7466

■ 53.6837, 56.7120,
77.2250

■ 18.9618, 16.0669,
71.2097

■ 62.6421, 66.0704,
78.5591

■ 17.2601, 13.2942,
70.7642

■ 72.7439, 76.4214,
80.0247

■ 16.8120, 12.5280,
70.6399

■ 84.0294, 87.7952,
81.6252

■ 89.4385, 96.5611,
83.0321

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



28.3265, 34.2671, 69.4749



33.2268, 34.2671, 73.9702



38.4663, 34.2671, 66.6844

Triad

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



33.2268, 34.2671, 73.9702



41.6500, 34.2671, 23.5189



24.3738, 34.2671, 25.9799

Complementary

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



33.2268, 34.2671, 73.9702



49.7165, 49.4814, 24.0714

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.



27.3090, 34.2671, 18.1480



33.2268, 34.2671, 73.9702



37.2172, 34.2671, 17.0165

Square

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



33.2268, 34.2671, 73.9702



43.6463, 34.2671, 35.4731



31.9216, 34.2671, 15.3509



23.5464, 34.2671, 39.2114

Rectangle

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



33.2268, 34.2671, 73.9702



41.3497, 34.2671, 57.0299



31.9216, 34.2671, 15.3509



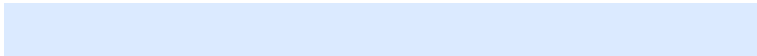
25.1301, 34.2671, 22.7589

Sweetspot

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



33.2280, 34.2684, 73.9710



76.6961, 81.0114, 106.2022



41.6965, 59.3362, 51.7279



15.8693, 16.7643, 22.6494



0.0000, 0.0000, 0.0000



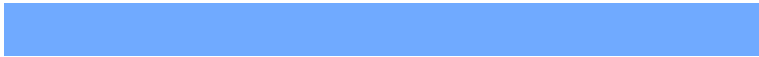
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2280, 34.2684, 73.9710



39.1077, 39.3782, 100.1473



28.3673, 22.7186, 71.9979



13.4042, 14.1474, 17.4119



10.0883, 7.6462, 41.9925



0.7854, 0.7023, 2.9394

Inverse Universe

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



42.9488, 31.0258, 36.9838



54.2996, 35.7898, 42.0114



56.9295, 67.7474, 27.2169



13.9355, 13.7918, 15.4304



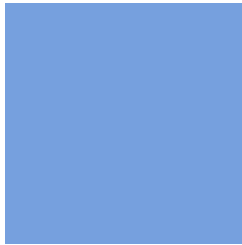
19.0323, 9.6799, 6.8360



1.3627, 0.6884, 0.7028

Previews

White Background



This preview shows how the XYZ color 33.2268, 34.2671, 73.9702 looks on a white background.

Color Contrast Check

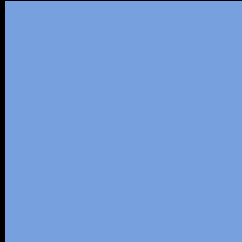
Large Text (above 18pt) WCAG AA × Fail

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 33.2268, 34.2671, 73.9702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

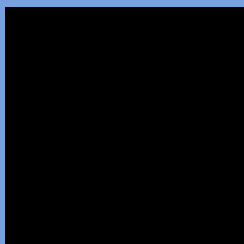
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

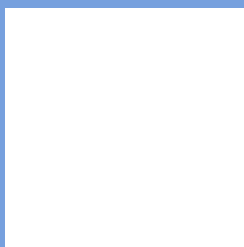
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2268, 34.2671, 73.9702

Background



This preview shows how black text looks on a background with the XYZ color 33.2268, 34.2671, 73.9702.



This preview shows how white text looks on a background with the XYZ color 33.2268, 34.2671,

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

33.2268, 34.2671, 73.9702

Protanopia

35.0237, 33.9936, 71.0451

Deuteranopia

35.0393, 34.1730, 74.5613



Tritanopia

28.2870, 34.4056, 48.8661

Trichromacy



Original Color

33.2268, 34.2671, 73.9702

Protanomaly

34.2032, 34.0537, 71.7882

Deuteranomaly

34.2783, 34.0308, 74.5740

Tritanomaly

29.8493, 34.2108, 57.2547

Monochromacy



Original Color

33.2268, 34.2671, 73.9702

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3490, 33.1194, 47.3882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2268, 34.2671, 73.9702 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(118, 160, 222)` looks like.

```
.text, #text, p{  
    color:rgb(118, 160, 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(118, 160, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 160, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.2268, 34.2671, 73.9702 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(118, 160, 222) }
```


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

```
.border{ border-color:rgb(118, 160, 222) }
```

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

Here you see how a box with a 4 pixel rgb(118, 160, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 160, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 160, 222);  
box-shadow:4px 4px 4px 4px rgb(118, 160,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2268, 34.2671, 73.9702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 160, 222) }
```

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

```
.background{ background-color: rgb(118,  
160, 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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