

Converting Colors

XYZ(34.7598, 35.6223, 72.0616)

Have a look what the booklet for
XYZ(34.7598, 35.6223, 72.0616)
contains.

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Color

**XYZ(34.7598, 35.6223,
72.0616)**

Conversions

Conversions Part 1

Format	Color
Hex	81A2DB
RGB	129, 162, 219
RGB Percent	51%, 64%, 86%
CMY	0.4941, 0.3647, 0.1412
CMYK	0.41, 0.26, 0.00, 0.14
HSL	218°, 56%, 68%
HSV	218°, 41%, 86%
XYZ	34.7598, 35.6223, 72.0616
YIQ	158.6310, -37.9650, 10.7310

Conversions

Conversions Part 2

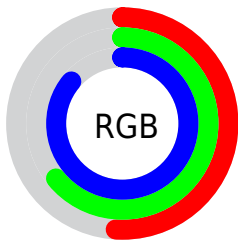
Format	Color
RYB	129, 153, 219
Decimal	8495835
CIELab	66.23, 3.12, -32.52
CIELCh	66, 32.665, 275.480
Yxy	35.6223, 0.2440, 0.2501
Android (android.graphics.Color)	4286685915 (0xFF81A2DB)
YUV	158.6310, 29.7619, -25.9864
Hunter-Lab	59.6844, -0.4906, -29.8063

Details

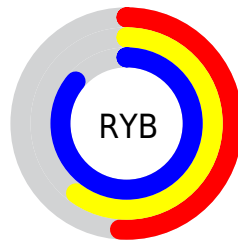
The XYZ color **34.7598, 35.6223, 72.0616** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.7358, 51.7640, 28.0877**, and the grayscale version is **32.6683, 34.3696, 37.4285**.

A 20% lighter version of the original color is **62.8704, 67.1600, 104.2573**, and **15.2869, 15.5451, 37.3167** is the 20% darker color. If you saturate the color by 10%, you get **29.4730, 29.4683, 71.1531**, and if you desaturate by 10%, it is **41.0314, 42.6855, 73.0950**.

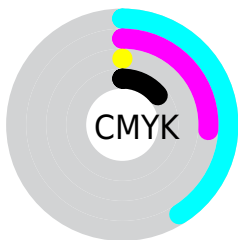
Distribution



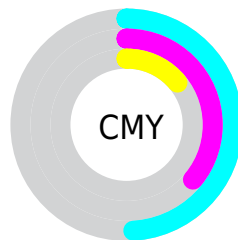
- Red (51%)
- Green (64%)
- Blue (86%)



- Red (51%)
- Yellow (60%)
- Blue (86%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (36%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7598, 35.6223, 72.0616 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 34.7598, 35.6223, 72.0616 by changing the saturation by 10% instead.

■ 34.7598, 35.6223,
72.0616

■ 34.7598, 35.6223,
72.0616

315.0335,
327.3067, 486.7393

■ 23.6436, 24.1426,
52.7219

■ 66.4500, 68.4487,
123.8526

■ 15.1927, 15.4395,
37.1946

■ 87.7546, 90.5642,
157.1410

■ 9.0419, 9.1284,
25.0612

■ 113.1861,
116.9938, 195.9160

■ 4.8259, 4.8250,
15.9032

143.1097,
148.1219, 240.5962

■ 2.1792, 2.1450,
9.3021

177.8910,
184.3328, 291.6000

■ 0.7317, 0.6897,
4.8392

217.8951,

■ 0.0000, 0.0000,

226.0110, 349.3462

2.0962

263.4875,
273.5408, 414.2531

■ 0.0000, 0.0000,
0.6135

■ 0.0000, 0.0000,
0.0000

■ 34.7598, 35.6223,
72.0616

■ 34.7598, 35.6223,
72.0616

■ 29.4730, 29.4683,
71.1531

■ 41.0314, 42.6855,
73.0950

■ 25.1126, 24.1783,
70.3618

■ 48.3345, 50.6921,
74.2556

■ 21.6195, 19.7089,
69.6832

■ 56.7167, 59.6793,
75.5485

■ 18.9250, 16.0104,
69.1114

■ 66.2217, 69.6808,
76.9780

■ 16.9487, 13.0259,
68.6395

■ 76.8907, 80.7289,
78.5482

■ 15.6770, 10.8959,
68.2954

■ 86.7463, 91.8145,
80.1685

■ 89.7863, 97.8945,
81.1818

Harmonies

Analogous

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



30.1197, 35.6223, 68.6483



34.7598, 35.6223, 72.0616



39.5871, 35.6223, 64.9698

Triad

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



34.7598, 35.6223, 72.0616



42.0671, 35.6223, 25.2142



26.0353, 35.6223, 28.6905

Complementary

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



34.7598, 35.6223, 72.0616



50.7358, 51.7640, 28.0877

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.



28.7101, 35.6223, 20.7952



34.7598, 35.6223, 72.0616



37.8933, 35.6223, 19.1509

Square

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



34.7598, 35.6223, 72.0616



44.0571, 35.6223, 36.2823



32.9718, 35.6223, 17.7526



25.3684, 35.6223, 41.4037

Rectangle

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



34.7598, 35.6223, 72.0616



42.1712, 35.6223, 56.0491



32.9718, 35.6223, 17.7526



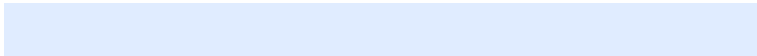
26.7160, 35.6223, 25.4914

Sweetspot

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



34.7610, 35.6236, 72.0624



78.8008, 82.9036, 106.4565



43.2488, 58.8762, 55.5403



16.5183, 17.3738, 22.7328



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.



34.7610, 35.6236, 72.0624



42.7625, 42.9675, 100.6475



31.6222, 26.4791, 70.4628



12.7277, 13.3951, 16.5668



9.3914, 6.6522, 40.5274



0.6890, 0.5921, 2.6524

Inverse Universe

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



43.5863, 33.3705, 38.3277



57.0524, 40.3678, 45.7891



55.0270, 65.5142, 30.5156



13.2524, 13.1301, 14.5905



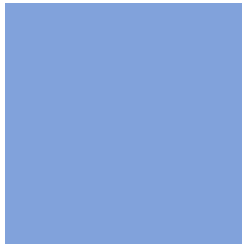
18.2357, 9.2953, 5.6211



1.2221, 0.6185, 0.5783

Previews

White Background



This preview shows how the XYZ color 34.7598, 35.6223, 72.0616 looks on a white background.

Color Contrast Check

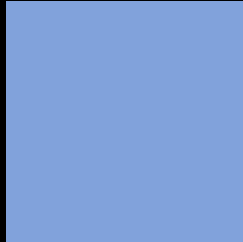
Large Text (above 18pt) WCAG AA × Fail

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 34.7598, 35.6223, 72.0616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

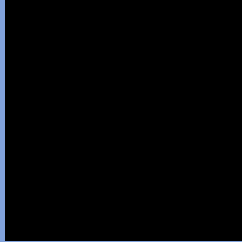
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

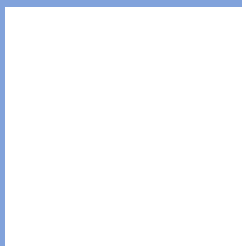
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7598, 35.6223, 72.0616

Background



This preview shows how black text looks on a background with the XYZ color 34.7598, 35.6223, 72.0616.



This preview shows how white text looks on a background with the XYZ color 34.7598, 35.6223,

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

34.7598, 35.6223, 72.0616

Protanopia

36.1231, 35.3409, 69.8833

Deuteranopia

36.3005, 35.3718, 72.6243



Tritanopia

30.2392, 35.6753, 49.5482

Trichromacy



Original Color

34.7598, 35.6223, 72.0616

Protanomaly

35.5700, 35.2950, 70.5835

Deuteranomaly

35.6329, 35.2819, 72.6422

Tritanomaly

31.6549, 35.4235, 56.7988

Monochromacy



Original Color

34.7598, 35.6223, 72.0616

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.1240, 34.7737, 48.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7598, 35.6223, 72.0616 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(129, 162, 219)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 219)  
}
```

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(129, 162, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.7598, 35.6223, 72.0616 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(129, 162, 219) }
```


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

```
.border{ border-color:rgb(129, 162, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 162, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 162, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 162, 219);  
box-shadow:4px 4px 4px 4px rgb(129, 162,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7598, 35.6223, 72.0616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 219) }
```

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

```
.background{ background-color: rgb(129,  
162, 219) }
```

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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