

Converting Colors

XYZ(32.3988, 35.5866, 77.2457)

Have a look what the booklet for
XYZ(32.3988, 35.5866, 77.2457)
contains.

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Color

**XYZ(32.3701, 35.6152,
77.1198)**

Conversions

Conversions Part 1

Format	Color
Hex	60A7E2
RGB	96, 167, 226
RGB Percent	38%, 65%, 89%
CMY	0.6235, 0.3451, 0.1137
CMYK	0.58, 0.26, 0.00, 0.11
HSL	207°, 69%, 63%
HSV	207°, 58%, 89%
XYZ	32.3701, 35.6152, 77.1198
YIQ	152.4970, -61.2550, 3.2970

Conversions

Conversions Part 2

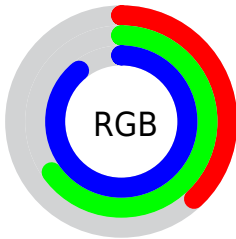
Format	Color
R _Y B	96, 142, 226
Decimal	6334434
CIE Lab	66.22, -5.25, -36.51
CIE LCh	66, 36.886, 261.823
Yxy	35.6152, 0.2231, 0.2454
Android (android.graphics.Color)	4284524514 (0xFF60A7E2)
YUV	152.4970, 36.2370, -49.5479
Hunter-Lab	59.6785, -7.6174, -34.8429

Details

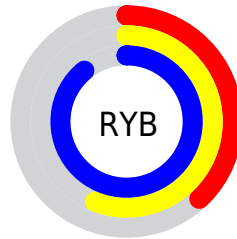
The XYZ color **32.3701, 35.6152, 77.1198** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.1983, 40.4582, 16.4951**, and the grayscale version is **29.9282, 31.4868, 34.2891**.

A 20% lighter version of the original color is **57.6888, 66.4311, 104.3897**, and **13.7631, 15.3579, 40.2692** is the 20% darker color. If you saturate the color by 10%, you get **28.5201, 30.9512, 76.4232**, and if you desaturate by 10%, it is **37.0550, 40.9321, 77.8998**.

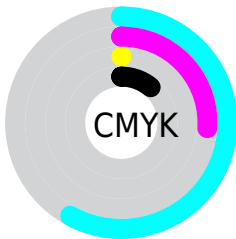
Distribution



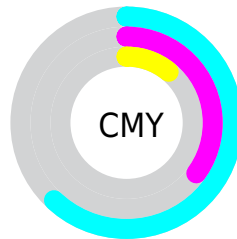
- Red (38%)
- Green (65%)
- Blue (89%)



- Red (38%)
- Yellow (56%)
- Blue (89%)



- Cyan (58%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (62%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3701, 35.6152, 77.1198 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 32.3701, 35.6152, 77.1198 by changing the saturation by 10% instead.

■ 32.3701, 35.6152,
77.1198

■ 32.3701, 35.6152,
77.1198

304.5172,
327.2755, 504.6209

■ 21.8013, 24.1372,
56.8391

■ 62.7521, 68.4377,
131.0831

■ 13.8267, 15.4354,
40.4675

■ 83.2960, 90.5510,
165.6028

■ 8.0811, 9.1255,
27.5867

■ 107.8956,
116.9781, 205.7059

■ 4.1992, 4.8231,
17.7780

■ 136.9164,
148.1035, 251.8108

■ 1.8154, 2.1439,
10.6229

170.7235,
184.3115, 304.3363

■ 0.5269, 0.6891,
5.7029

209.6825,

■ 0.0000, 0.0000,

225.9866, 363.7008

2.5995

254.1586,
273.5132, 430.3228

■ 0.0000, 0.0000,
0.8922

■ 0.0000, 0.0000,
0.0000

■ 32.3701, 35.6152,
77.1198

■ 32.3701, 35.6152,
77.1198

■ 28.5201, 30.9512,
76.4232

■ 37.0550, 40.9321,
77.8998

■ 25.4374, 26.8983,
75.8034

■ 42.6276, 46.9322,
78.7643

■ 23.0488, 23.4142,
75.2567

■ 49.1402, 53.6480,
79.7173

■ 21.2552, 20.4421,
74.7776

■ 56.6400, 61.1082,
80.7620

■ 20.8638, 19.7635,
74.6673

■ 65.1705, 69.3400,
81.9013

■ 74.7729, 78.3688,
83.1379

■ 85.4856, 88.2188,
84.4745

■ 88.8619, 94.5396,
85.5166

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



27.7297, 35.6152, 67.7730



32.3701, 35.6152, 77.1198



37.9342, 35.6152, 74.2132

Triad

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



32.3701, 35.6152, 77.1198



44.6415, 35.6152, 28.5796



26.2038, 35.6152, 22.9171

Complementary

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



32.3701, 35.6152, 77.1198



45.1983, 40.4582, 16.4951

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.



30.0721, 35.6152, 16.9195



32.3701, 35.6152, 77.1198



40.8132, 35.6152, 19.5189

Square

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



32.3701, 35.6152, 77.1198



45.4278, 35.6152, 43.2453



35.3768, 35.6152, 15.8711



24.4301, 35.6152, 34.6311

Rectangle

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



32.3701, 35.6152, 77.1198



41.3996, 35.6152, 65.9923



35.3768, 35.6152, 15.8711



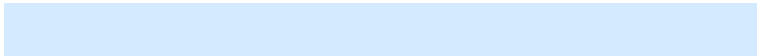
27.2810, 35.6152, 20.3129

Sweetspot

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



32.3714, 35.6165, 77.1207



74.9021, 80.7682, 106.2498



37.8961, 59.2303, 40.2278



15.5799, 16.8440, 22.6800



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.



32.3714, 35.6165, 77.1207



36.6365, 39.6003, 100.3204



23.3536, 17.5809, 74.1148



13.5693, 14.4777, 17.4670



12.0229, 11.5154, 42.6374



0.9225, 0.9765, 2.9851

Inverse Universe

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



42.5231, 27.3261, 39.5935



51.7916, 29.9600, 43.6846



58.9385, 67.9385, 21.0752



14.0188, 13.8252, 15.8693



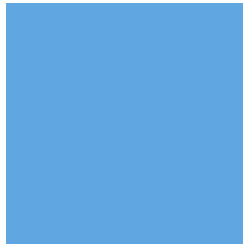
20.0088, 10.0705, 11.9782



1.4319, 0.7160, 1.0672

Previews

White Background



This preview shows how the XYZ color 32.3701, 35.6152, 77.1198 looks on a white background.

Color Contrast Check

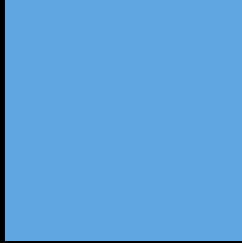
Large Text (above 18pt) WCAG AA × Fail

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 32.3701, 35.6152, 77.1198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

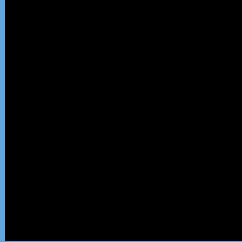
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3701, 35.6152, 77.1198

Background



This preview shows how black text looks on a background with the XYZ color 32.3701, 35.6152, 77.1198.

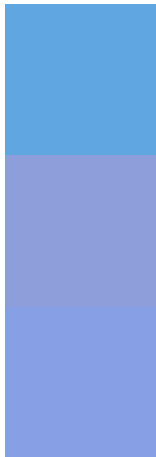


This preview shows how white text looks on a background with the XYZ color 32.3701, 35.6152,

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

32.3701, 35.6152, 77.1198

Protanopia

36.1684, 35.3190, 71.9288

Deuteranopia

36.3934, 35.5486, 78.3422



Tritanopia

27.6065, 35.6523, 53.0035

Trichromacy



Original Color

32.3701, 35.6152, 77.1198

Protanomaly

34.3871, 35.1236, 74.0744

Deuteranomaly

34.6706, 35.4517, 77.6886

Tritanomaly

29.0613, 35.3685, 61.1722

Monochromacy



Original Color

32.3701, 35.6152, 77.1198

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9808, 32.6545, 47.9028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3701, 35.6152, 77.1198 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(96, 167, 226)` looks like.

```
.text, #text, p{  
    color:rgb(96, 167, 226)  
}
```

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(96, 167, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 167, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.3701, 35.6152, 77.1198 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(96, 167, 226) }
```


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

```
.border{ border-color:rgb(96, 167, 226) }
```

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

Here you see how a box with a 4 pixel rgb(96, 167, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 167, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 167, 226);  
box-shadow:4px 4px 4px 4px rgb(96, 167,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3701, 35.6152, 77.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 167, 226) }
```

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

```
.background{ background-color: rgb(96, 167,  
226) }
```

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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