

Converting Colors

XYZ(34.6676, 32.5172, 85.3382)

Have a look what the booklet for
XYZ(34.6676, 32.5172, 85.3382)
contains.

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Color

**XYZ(34.6676, 32.5172,
85.3382)**

Conversions

Conversions Part 1

Format	Color
Hex	7B97EE
RGB	123, 151, 238
RGB Percent	48%, 59%, 93%
CMY	0.5176, 0.4078, 0.0667
CMYK	0.48, 0.37, 0.00, 0.07
HSL	225°, 77%, 71%
HSV	225°, 48%, 93%
XYZ	34.6676, 32.5172, 85.3382
YIQ	152.5460, -44.6150, 21.1210

Conversions

Conversions Part 2

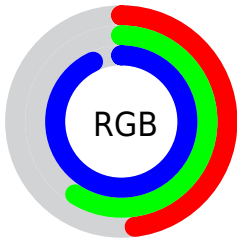
Format	Color
R _Y B	123, 146, 238
Decimal	8099822
CIE Lab	63.77, 13.42, -46.87
CIE LCh	64, 48.750, 285.974
Yxy	32.5172, 0.2273, 0.2132
Android (android.graphics.Color)	4286289902 (0xFF7B97EE)
YUV	152.5460, 42.1288, -25.9118
Hunter-Lab	57.0239, 8.7272, -48.8129

Details

The XYZ color **34.6676, 32.5172, 85.3382** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.8832, 65.7026, 28.1609**, and the grayscale version is **29.9193, 31.4774, 34.2789**.

A 20% lighter version of the original color is **58.7037, 60.5859, 103.2080**, and **15.2115, 13.7747, 46.1130** is the 20% darker color. If you saturate the color by 10%, you get **28.9878, 25.6114, 84.3052**, and if you desaturate by 10%, it is **41.6199, 40.7370, 86.5590**.

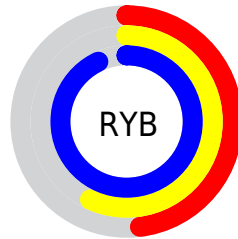
Distribution



Red (48%)

Green (59%)

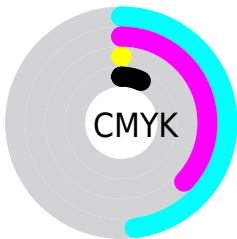
Blue (93%)



Red (48%)

Yellow (57%)

Blue (93%)

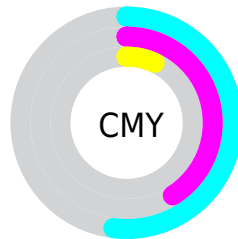


Cyan (48%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (52%)

Magenta (41%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6676, 32.5172, 85.3382 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 34.6676, 32.5172, 85.3382 by changing the saturation by 10% instead.

■ 34.6676, 32.5172,
85.3382

■ 34.6676, 32.5172,
85.3382

314.6325,
313.4686, 532.9202

■ 23.5722, 21.7568,
63.5691

■ 66.3079, 63.6210,
142.7240

■ 15.1396, 13.6783,
45.8578

■ 87.5836, 84.7333,
179.1777

■ 9.0044, 7.8973,
31.7858

■ 112.9835,
110.0650, 221.3634

■ 4.8012, 4.0293,
20.9345

142.8728,
140.0005, 269.6996

■ 2.1646, 1.6900,
12.8853

177.6170,
174.9242, 324.6048

■ 0.7240, 0.4171,
7.2198

217.5815,

■ 0.0000, 0.0000,

215.2205, 386.4977

3.5194

263.1315,
261.2738, 455.7966

■ 0.0000, 0.0000,
1.3656

■ 0.0000, 0.0000,
0.1147

■ 34.6676, 32.5172,
85.3382

■ 34.6676, 32.5172,
85.3382

■ 28.9878, 25.6114,
84.3052

■ 41.6199, 40.7370,
86.5590

■ 24.4959, 19.9447,
83.4482

■ 49.9147, 50.3332,
87.9741

■ 21.1020, 15.4393,
82.7575

■ 59.6210, 61.3680,
89.5924

■ 18.7008, 12.0062,
82.2214

■ 70.8021, 73.8989,
91.4218

■ 17.1502, 9.5336,
81.8258

■ 83.5170, 87.9801,
93.4696

■ 16.9430, 9.1935,
81.7711

■ 92.4327, 98.9531,
95.1177

Harmonies

Analogous

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



27.8287, 32.5172, 85.9353



34.6676, 32.5172, 85.3382



41.3557, 32.5172, 68.5472

Triad

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



34.6676, 32.5172, 85.3382



40.9730, 32.5172, 14.6477



19.8262, 32.5172, 27.0423

Complementary

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



34.6676, 32.5172, 85.3382



61.8832, 65.7026, 28.1609

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.



22.3849, 32.5172, 15.1561



34.6676, 32.5172, 85.3382



34.2035, 32.5172, 9.9997

Square

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



34.6676, 32.5172, 85.3382



45.3464, 32.5172, 26.0220



27.4280, 32.5172, 10.1431



19.9124, 32.5172, 46.8109

Rectangle

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



34.6676, 32.5172, 85.3382



44.5362, 32.5172, 53.0536



27.4280, 32.5172, 10.1431



20.3871, 32.5172, 22.1824

Sweetspot

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



34.6688, 32.5183, 85.3390



75.0948, 77.8088, 105.6684



50.2838, 69.9768, 71.3419



15.4821, 15.9900, 22.5203



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.



34.6688, 32.5183, 85.3390



33.9641, 30.0293, 98.6139



35.4193, 26.9920, 84.2328



15.2098, 15.8537, 19.9800



9.5368, 5.2979, 45.6478



0.8687, 0.5915, 3.8226

Inverse Universe

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



47.9299, 34.5789, 33.4273



51.4742, 33.7827, 29.8372



60.5161, 76.1719, 30.2537



15.9306, 15.8219, 17.1906



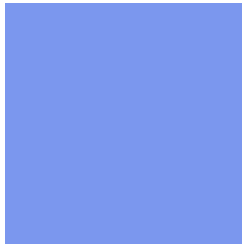
20.1394, 10.3282, 3.3845



1.7134, 0.8744, 0.4819

Previews

White Background



This preview shows how the XYZ color 34.6676, 32.5172, 85.3382 looks on a white background.

Color Contrast Check

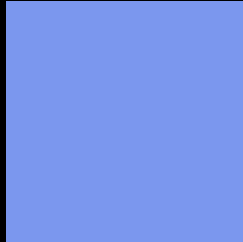
Large Text (above 18pt) WCAG AA × Fail

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 34.6676, 32.5172, 85.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

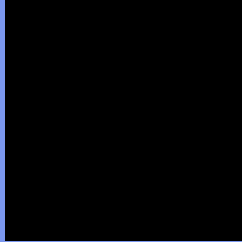
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6676, 32.5172, 85.3382

Background



This preview shows how black text looks on a background with the XYZ color 34.6676, 32.5172, 85.3382.



This preview shows how white text looks on a background with the XYZ color 34.6676, 32.5172,

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

34.6676, 32.5172, 85.3382

Protanopia

34.5253, 32.4438, 85.3315

Deuteranopia

33.5238, 32.6704, 84.6599



Tritanopia

26.9202, 32.6683, 46.4817

Trichromacy



Original Color

34.6676, 32.5172, 85.3382

Protanomaly

34.5253, 32.4438, 85.3315

Deuteranomaly

33.8798, 32.6099, 84.6294

Tritanomaly

29.2625, 32.2993, 58.7249

Monochromacy



Original Color

34.6676, 32.5172, 85.3382

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0353, 31.6679, 49.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6676, 32.5172, 85.3382 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(123, 151, 238)` looks like.

```
.text, #text, p{  
    color:rgb(123, 151, 238)  
}
```

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(123, 151, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 151, 238) }
```

Border

The CSS property to change the border of an element to XYZ 34.6676, 32.5172, 85.3382 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(123, 151, 238) }
```


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

```
.border{ border-color:rgb(123, 151, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 151, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 151, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 151, 238);  
box-shadow:4px 4px 4px 4px rgb(123, 151,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6676, 32.5172, 85.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 151, 238) }
```

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

```
.background{ background-color: rgb(123,  
151, 238) }
```

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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