

Converting Colors

XYZ(32.7560, 35.0775, 85.2859)

Have a look what the booklet for
XYZ(32.7560, 35.0775, 85.2859)
contains.

XYZ(32.7657, 35.0994, 85.1687)	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(32.7657, 35.0994,
85.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	58A5ED
RGB	88, 165, 237
RGB Percent	35%, 65%, 93%
CMY	0.6549, 0.3529, 0.0706
CMYK	0.63, 0.30, 0.00, 0.07
HSL	209°, 81%, 64%
HSV	209°, 63%, 93%
XYZ	32.7657, 35.0994, 85.1687
YIQ	150.1850, -69.0040, 6.0680

Conversions

Conversions Part 2

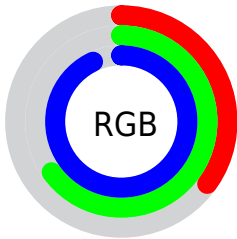
Format	Color
R _Y B	88, 139, 237
Decimal	5809645
CIE Lab	65.83, -2.11, -43.20
CIE LCh	66, 43.249, 267.203
Yxy	35.0994, 0.2141, 0.2294
Android (android.graphics.Color)	4283999725 (0xFF58A5ED)
YUV	150.1850, 42.7998, -54.5362
Hunter-Lab	59.2447, -4.9577, -43.7624

Details

The XYZ color **32.7657, 35.0994, 85.1687** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **49.2592, 43.8535, 15.1026**, and the grayscale version is **28.9144, 30.4202, 33.1276**.

A 20% lighter version of the original color is **56.2209, 64.8904, 104.1697**, and **14.3578, 15.3708, 45.9262** is the 20% darker color. If you saturate the color by 10%, you get **28.9020, 30.1775, 84.4230**, and if you desaturate by 10%, it is **37.5459, 40.7695, 86.0119**.

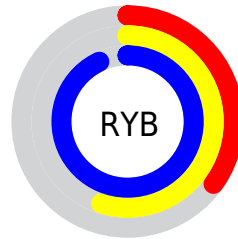
Distribution



Red (35%)

Green (65%)

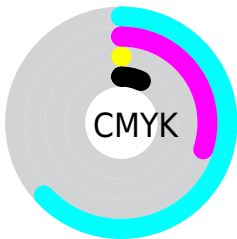
Blue (93%)



Red (35%)

Yellow (55%)

Blue (93%)

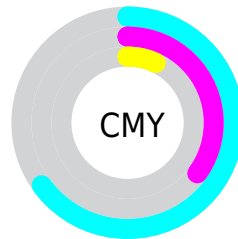


Cyan (63%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7657, 35.0994, 85.1687 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 32.7657, 35.0994, 85.1687 by changing the saturation by 10% instead.

■ 32.7657, 35.0994,
85.1687

■ 32.7657, 35.0994,
85.1687

306.2763,
325.0069, 532.3453

■ 22.1054, 23.7395,
63.4298

■ 63.3667, 67.6397,
142.4851

■ 14.0514, 15.1405,
45.7458

■ 84.0381, 89.5889,
178.8997

■ 8.2384, 8.9180,
31.6981

■ 108.7772,
115.8366, 221.0433

■ 4.3009, 4.6877,
20.8681

■ 137.9494,
146.7672, 269.3345

■ 1.8738, 2.0652,
12.8373

171.9201,
182.7652, 324.1917

■ 0.5615, 0.6450,
7.1872

211.0546,

■ 0.0000, 0.0000,

224.2148, 386.0336

3.4992

255.7182,
271.5006, 455.2786

■ 0.0000, 0.0000,
1.3549

■ 0.0000, 0.0000,
0.1061

■ 32.7657, 35.0994,
85.1687

■ 32.7657, 35.0994,
85.1687

■ 28.9020, 30.1775,
84.4230

■ 37.5459, 40.7695,
86.0119

■ 25.8725, 25.9526,
83.7672

■ 43.3072, 47.2263,
86.9545

■ 23.5843, 22.3699,
83.1963

■ 50.1122, 54.5094,
88.0017

■ 22.3040, 20.1501,
82.8353

■ 58.0170, 62.6541,
89.1571

■ 67.0732, 71.6932,
90.4245

■ 77.3292, 81.6576,
91.8073

■ 88.8302, 92.5767,
93.3087

■ 92.2862, 98.8945,
94.3460

Harmonies

Analogous

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



27.1452, 35.0994, 76.0293



32.7657, 35.0994, 85.1687



39.2916, 35.0994, 78.7744

Triad

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



32.7657, 35.0994, 85.1687



45.5095, 35.0994, 24.2963



24.0716, 35.0994, 22.1657

Complementary

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



32.7657, 35.0994, 85.1687



49.2592, 43.8535, 15.1026

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.



28.0592, 35.0994, 14.7060



32.7657, 35.0994, 85.1687



40.4597, 35.0994, 15.6320

Square

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



32.7657, 35.0994, 85.1687



47.1813, 35.0994, 39.9580



33.9633, 35.0994, 12.7638



22.5431, 35.0994, 36.5279

Rectangle

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



32.7657, 35.0994, 85.1687



43.2006, 35.0994, 67.4150



33.9633, 35.0994, 12.7638



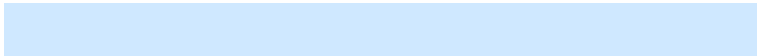
25.1418, 35.0994, 18.9664

Sweetspot

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



32.7670, 35.1006, 85.1696



72.3971, 77.9017, 105.8285



40.4416, 65.0968, 42.5732



14.8613, 16.0356, 22.5619



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.



32.7670, 35.1006, 85.1696



33.1710, 34.3474, 99.4892



23.2236, 16.0138, 81.9884



14.8750, 15.8365, 19.1950



12.3093, 11.2656, 45.2687



1.0629, 1.0772, 3.5868

Inverse Universe

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



45.2075, 27.7022, 38.5627



49.6327, 27.5280, 37.1513



65.5535, 76.4421, 20.5341



15.3905, 15.1840, 17.3416



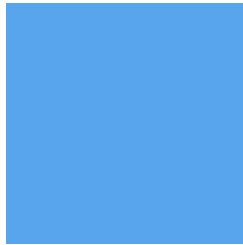
21.0685, 10.6301, 11.4278



1.7030, 0.8542, 1.1533

Previews

White Background



This preview shows how the XYZ color 32.7657, 35.0994, 85.1687 looks on a white background.

Color Contrast Check

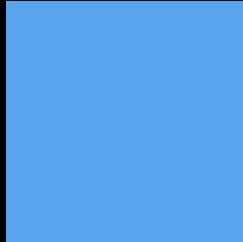
Large Text (above 18pt) WCAG AA × Fail

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 32.7657, 35.0994, 85.1687 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

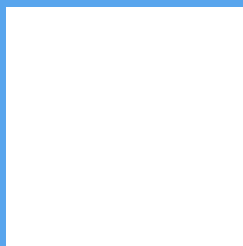
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7657, 35.0994, 85.1687

Background



This preview shows how black text looks on a background with the XYZ color 32.7657, 35.0994, 85.1687.



This preview shows how white text looks on a background with the XYZ color 32.7657, 35.0994,

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

32.7657, 35.0994, 85.1687

Protanopia

36.3316, 34.9780, 79.6995

Deuteranopia

35.8329, 34.8233, 86.4943



Tritanopia

26.3275, 34.9929, 52.9437

Trichromacy



Original Color

32.7657, 35.0994, 85.1687

Protanomaly

34.7500, 34.8764, 81.9911

Deuteranomaly

34.6079, 34.9778, 85.8163

Tritanomaly

28.4511, 34.9985, 63.6484

Monochromacy



Original Color

32.7657, 35.0994, 85.1687

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9172, 31.3321, 48.7796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7657, 35.0994, 85.1687 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(88, 165, 237)` looks like.

```
.text, #text, p{  
    color:rgb(88, 165, 237)  
}
```

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(88, 165, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 237) }
```

Border

The CSS property to change the border of an element to XYZ 32.7657, 35.0994, 85.1687 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(88, 165, 237) }
```


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

```
.border{ border-color:rgb(88, 165, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 165, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 165, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 165, 237);  
box-shadow:4px 4px 4px 4px rgb(88, 165,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7657, 35.0994, 85.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 165, 237) }
```

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

```
.background{ background-color: rgb(88, 165,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor