

Converting Colors

XYZ(35.7037, 38.8988, 85.7484)

Have a look what the booklet for
XYZ(35.7037, 38.8988, 85.7484)
contains.

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Color

**XYZ(35.7091, 38.8263,
85.7329)**

Conversions

Conversions Part 1

Format	Color
Hex	66ADED
RGB	102, 173, 237
RGB Percent	40%, 68%, 93%
CMY	0.6000, 0.3216, 0.0706
CMYK	0.57, 0.27, 0.00, 0.07
HSL	208°, 79%, 66%
HSV	208°, 57%, 93%
XYZ	35.7091, 38.8263, 85.7329
YIQ	159.0670, -62.8600, 4.8520

Conversions

Conversions Part 2

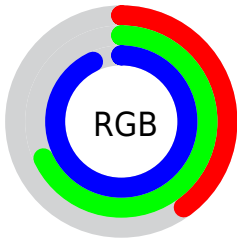
Format	Color
RYB	102, 149, 237
Decimal	6729197
CIELab	68.63, -3.98, -38.78
CIELCh	69, 38.980, 264.143
Yxy	38.8263, 0.2228, 0.2423
Android (android.graphics.Color)	4284919277 (0xFF66ADED)
YUV	159.0670, 38.4210, -50.0478
Hunter-Lab	62.3108, -6.7489, -37.9591

Details

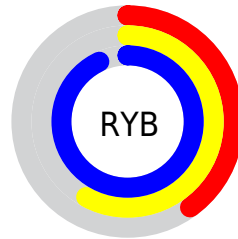
The XYZ color **35.7091, 38.8263, 85.7329** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.9612, 46.2386, 18.8111**, and the grayscale version is **32.8371, 34.5472, 37.6219**.

A 20% lighter version of the original color is **60.4913, 70.2839, 104.9857**, and **15.7735, 17.3180, 46.2274** is the 20% darker color. If you saturate the color by 10%, you get **31.3325, 33.5056, 84.9373**, and if you desaturate by 10%, it is **41.0372, 44.9079, 86.6267**.

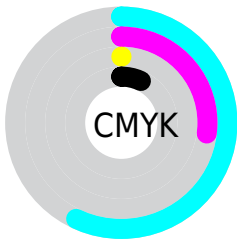
Distribution



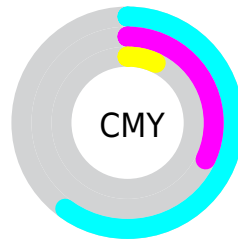
- Red (40%)
- Green (68%)
- Blue (93%)



- Red (40%)
- Yellow (58%)
- Blue (93%)



- Cyan (57%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7091, 38.8263, 85.7329 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 35.7091, 38.8263, 85.7329 by changing the saturation by 10% instead.

■ 35.7091, 38.8263,
85.7329

■ 35.7091, 38.8263,
85.7329

319.1407,
341.1514, 534.2578

■ 24.3787, 26.6246,
63.8935

■ 67.9096, 73.3729,
143.2799

■ 15.7410, 17.2915,
46.1188

■ 89.5105, 96.4866,
179.8247

■ 9.4308, 10.4425,
31.9902

■ 115.2655,
124.0064, 222.1082

■ 5.0826, 5.6934,
21.0893

■ 145.5400,
156.3168, 270.5492

■ 2.3310, 2.6595,
12.9974

180.6995,
193.8021, 325.5661

■ 0.8105, 0.9567,
7.2960

221.1092,

■ 0.0000, 0.0000,

236.8467, 387.5775

3.5667

267.1345,
285.8350, 457.0018

■ 0.0000, 0.0000,
1.3908

■ 0.0000, 0.0000,
0.1345

■ 35.7091, 38.8263,
85.7329

■ 35.7091, 38.8263,
85.7329

■ 31.3325, 33.5056,
84.9373

■ 41.0372, 44.9079,
86.6267

■ 27.8315, 28.8981,
84.2325

■ 47.3765, 51.7854,
87.6201

■ 25.1238, 24.9551,
83.6141

■ 54.7861, 59.4961,
88.7179

■ 23.1033, 21.6147,
83.0759

■ 63.3190, 68.0734,
89.9237

■ 22.5746, 20.6913,
82.9255

■ 73.0248, 77.5486,
91.2411

■ 83.9495, 87.9509,
92.6731

■ 91.2278, 96.7777,
93.9932

■ 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.



30.3979, 38.8263, 76.1123



35.7091, 38.8263, 85.7329



41.9569, 38.8263, 81.3447

Triad

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



35.7091, 38.8263, 85.7329



48.7863, 38.8263, 29.8757



28.1210, 38.8263, 25.3719

Complementary

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



35.7091, 38.8263, 85.7329



50.9612, 46.2386, 18.8111

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.



32.2726, 38.8263, 18.2814



35.7091, 38.8263, 85.7329



44.2762, 38.8263, 20.3307

Square

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



35.7091, 38.8263, 85.7329



49.9679, 38.8263, 45.8278



38.1237, 38.8263, 16.7335



26.3408, 38.8263, 38.9112

Rectangle

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



35.7091, 38.8263, 85.7329



45.7714, 38.8263, 71.5490



38.1237, 38.8263, 16.7335



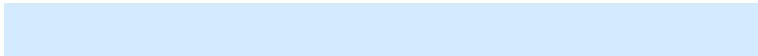
29.2615, 38.8263, 22.3244

Sweetspot

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



35.7105, 38.8277, 85.7339



74.6512, 80.2664, 106.1662



42.5566, 66.1109, 46.1170



15.5206, 16.7255, 22.6603



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.



35.7105, 38.8277, 85.7339



36.3990, 38.8040, 100.1792



25.9729, 19.3525, 82.4880



14.8868, 15.8601, 19.1989



12.4574, 11.5618, 45.3180



1.0745, 1.1004, 3.5906

Inverse Universe

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



47.2205, 30.5260, 42.9396



51.7501, 30.2436, 42.5407



66.3219, 76.9599, 23.9314



15.3964, 15.1864, 17.3729



21.1432, 10.6600, 11.8215



1.7088, 0.8565, 1.1841

Previews

White Background



This preview shows how the XYZ color 35.7091, 38.8263, 85.7329 looks on a white background.

Color Contrast Check

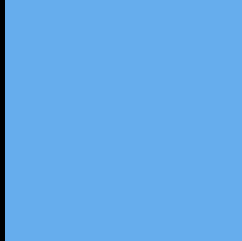
Large Text (above 18pt) WCAG AA × Fail

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 35.7091, 38.8263, 85.7329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

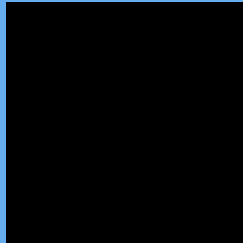
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7091, 38.8263, 85.7329

Background



This preview shows how black text looks on a background with the XYZ color 35.7091, 38.8263, 85.7329.



This preview shows how white text looks on a background with the XYZ color 35.7091, 38.8263,

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

35.7091, 38.8263, 85.7329

Protanopia

39.5910, 38.4671, 80.2011

Deuteranopia

39.6826, 38.6312, 87.0264



Tritanopia

30.1205, 38.9192, 57.5544

Trichromacy



Original Color

35.7091, 38.8263, 85.7329

Protanomaly

37.8868, 38.3459, 82.4954

Deuteranomaly

38.0394, 38.6139, 86.3373

Tritanomaly

31.8676, 38.7181, 66.7665

Monochromacy



Original Color

35.7091, 38.8263, 85.7329

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7263, 35.5420, 52.1491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7091, 38.8263, 85.7329 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(102, 173, 237)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 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(102, 173, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 237) }
```

Border

The CSS property to change the border of an element to XYZ 35.7091, 38.8263, 85.7329 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(102, 173, 237) }
```


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

```
.border{ border-color:rgb(102, 173, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 237);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7091, 38.8263, 85.7329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 237) }
```

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

```
.background{ background-color: rgb(102,  
173, 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](#).

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