

Converting Colors

XYZ(36.8290, 38.6186, 75.3081)

Have a look what the booklet for
XYZ(36.8290, 38.6186, 75.3081)
contains.

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Color

**XYZ(36.7132, 38.4495,
75.2985)**

Conversions

Conversions Part 1

Format	Color
Hex	82A9DF
RGB	130, 169, 223
RGB Percent	51%, 66%, 87%
CMY	0.4902, 0.3372, 0.1255
CMYK	0.42, 0.24, 0.00, 0.13
HSL	215°, 59%, 69%
HSV	215°, 42%, 87%
XYZ	36.7132, 38.4495, 75.2985
YIQ	163.4950, -40.5780, 8.5260

Conversions

Conversions Part 2

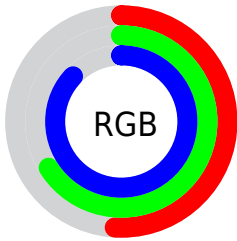
Format	Color
RYB	130, 157, 223
Decimal	8563167
CIELab	68.35, 0.56, -31.43
CIELCh	68, 31.437, 271.015
Yxy	38.4495, 0.2440, 0.2555
Android (android.graphics.Color)	4286753247 (0xFF82A9DF)
YUV	163.4950, 29.3360, -29.3751
Hunter-Lab	62.0077, -2.8280, -28.5930

Details

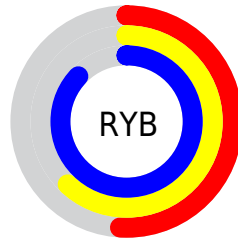
The XYZ color **36.7132, 38.4495, 75.2985** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.6022, 51.5819, 28.3572**, and the grayscale version is **34.9272, 36.7461, 40.0165**.

A 20% lighter version of the original color is **64.9554, 70.9704, 104.8829**, and **16.3308, 17.0456, 39.4752** is the 20% darker color. If you saturate the color by 10%, you get **31.3654, 32.2926, 74.3927**, and if you desaturate by 10%, it is **43.0433, 45.4685, 76.3204**.

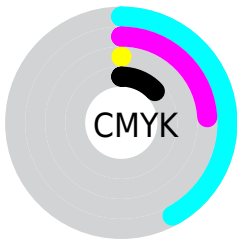
Distribution



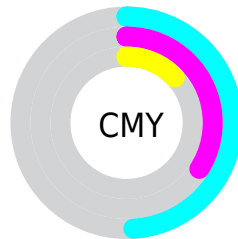
- Red (51%)
- Green (66%)
- Blue (87%)



- Red (51%)
- Yellow (62%)
- Blue (87%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7132, 38.4495, 75.2985 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 36.7132, 38.4495, 75.2985 by changing the saturation by 10% instead.

■ 36.7132, 38.4495,
75.2985

■ 36.7132, 38.4495,
75.2985

323.4443,
339.5443, 498.2257

■ 25.1582, 26.3317,
55.3543

■ 69.4482, 72.7966,
128.4858

■ 16.3243, 17.0720,
39.2849

■ 91.3588, 95.7947,
162.5659

■ 9.8462, 10.2858,
26.6719

■ 117.4520,
123.1884, 202.1951

■ 5.3586, 5.5889,
17.0967

148.0932,
155.3621, 247.7919

■ 2.4961, 2.5967,
10.1408

183.6476,
192.7001, 299.7748

■ 0.8933, 0.9250,
5.3856

224.4807,

■ 0.0000, 0.0000,

235.5869, 358.5624

2.4126

270.9578,
284.4068, 424.5732

■ 0.0000, 0.0000,
0.7933

■ 0.0000, 0.0000,
0.0000

■ 36.7132, 38.4495,
75.2985

■ 36.7132, 38.4495,
75.2985

■ 31.3654, 32.2926,
74.3927

■ 43.0433, 45.4685,
76.3204

■ 26.9409, 26.9548,
73.5956

■ 50.4026, 53.3813,
77.4598

■ 23.3796, 22.3952,
72.9032

■ 58.8393, 62.2230,
78.7218

■ 20.6117, 18.5665,
72.3100

■ 68.3972, 72.0252,
80.1100

■ 18.5550, 15.4145,
71.8100

■ 79.1179, 82.8181,
81.6282

■ 17.2793, 13.2475,
71.4590

■ 87.7265, 92.9220,
83.1248

■ 90.3194, 98.1078,
83.9891

Harmonies

Analogous

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



32.1412, 38.4495, 70.3864



36.7132, 38.4495, 75.2985



41.6503, 38.4495, 69.7089

Triad

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



36.7132, 38.4495, 75.2985



45.2863, 38.4495, 29.3767



28.8643, 38.4495, 30.0391

Complementary

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



36.7132, 38.4495, 75.2985



51.6022, 51.5819, 28.3572

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.



31.8751, 38.4495, 22.6419



36.7132, 38.4495, 75.2985



41.3339, 38.4495, 22.3243

Square

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



36.7132, 38.4495, 75.2985



46.8661, 38.4495, 41.3861



36.3775, 38.4495, 20.1646



27.8629, 38.4495, 42.3475

Rectangle

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



36.7132, 38.4495, 75.2985



44.4199, 38.4495, 61.3727



36.3775, 38.4495, 20.1646



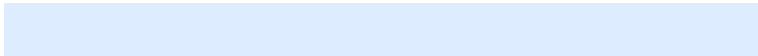
29.6608, 38.4495, 27.0026

Sweetspot

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



36.7145, 38.4509, 75.2994



78.0523, 82.5739, 106.4323



44.1108, 60.9285, 54.0730



16.1446, 17.0887, 22.6975



0.0000, 0.0000, 0.0000



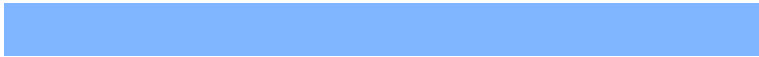
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7145, 38.4509, 75.2994



43.3944, 44.8052, 100.9689



31.4891, 26.5455, 73.2768



13.4220, 14.1832, 17.4179



10.2660, 8.0016, 42.0517



0.7986, 0.7287, 2.9438

Inverse Universe

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



45.5766, 34.5192, 41.7983



57.2313, 39.9031, 48.3844



58.9737, 69.1089, 31.3517



13.9445, 13.7954, 15.4778



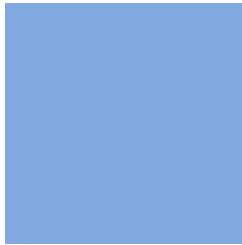
19.1220, 9.7158, 7.3082



1.3694, 0.6910, 0.7380

Previews

White Background



This preview shows how the XYZ color 36.7132, 38.4495, 75.2985 looks on a white background.

Color Contrast Check

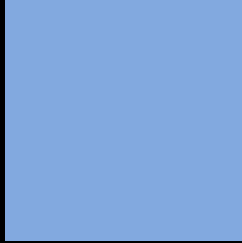
Large Text (above 18pt) WCAG AA × Fail

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 36.7132, 38.4495, 75.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

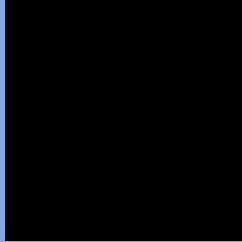
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

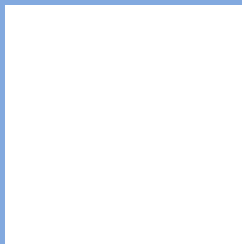
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7132, 38.4495, 75.2985

Background



This preview shows how black text looks on a background with the XYZ color 36.7132, 38.4495, 75.2985.



This preview shows how white text looks on a background with the XYZ color 36.7132, 38.4495,

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

36.7132, 38.4495, 75.2985

Protanopia

38.8241, 38.2447, 72.3535

Deuteranopia

39.3077, 38.4168, 75.8644



Tritanopia

32.4004, 38.3990, 53.8482

Trichromacy



Original Color

36.7132, 38.4495, 75.2985

Protanomaly

37.8822, 38.2794, 73.1022

Deuteranomaly

38.4185, 38.4939, 75.9262

Tritanomaly

33.7984, 38.3893, 60.8868

Monochromacy



Original Color

36.7132, 38.4495, 75.2985

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.9746, 36.9924, 51.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7132, 38.4495, 75.2985 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(130, 169, 223)` looks like.

```
.text, #text, p{  
    color:rgb(130, 169, 223)  
}
```

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(130, 169, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 169, 223) }
```

Border

The CSS property to change the border of an element to XYZ 36.7132, 38.4495, 75.2985 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(130, 169, 223) }
```


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

```
.border{ border-color:rgb(130, 169, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 169, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 169, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 169, 223);  
box-shadow:4px 4px 4px 4px rgb(130, 169,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7132, 38.4495, 75.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 169, 223) }
```

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

```
.background{ background-color: rgb(130,  
169, 223) }
```

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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