

Converting Colors

XYZ(32.7740, 33.1729, 81.7673)

Have a look what the booklet for
XYZ(32.7740, 33.1729, 81.7673)
contains.

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Color

**XYZ(32.7088, 33.0613,
81.7483)**

Conversions

Conversions Part 1

Format	Color
Hex	6A9DE9
RGB	106, 157, 233
RGB Percent	42%, 62%, 91%
CMY	0.5843, 0.3843, 0.0863
CMYK	0.55, 0.33, 0.00, 0.09
HSL	216°, 74%, 66%
HSV	216°, 55%, 91%
XYZ	32.7088, 33.0613, 81.7483
YIQ	150.4150, -54.7920, 12.8240

Conversions

Conversions Part 2

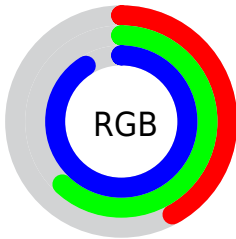
Format	Color
RYB	106, 142, 233
Decimal	6987241
CIELab	64.21, 4.65, -43.48
CIELCh	64, 43.730, 276.104
Yxy	33.0613, 0.2217, 0.2241
Android (android.graphics.Color)	4285177321 (0xFF6A9DE9)
YUV	150.4150, 40.7144, -38.9520
Hunter-Lab	57.4990, 0.9182, -44.0454

Details

The XYZ color **32.7088, 33.0613, 81.7483** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.9353, 51.8224, 20.8501**, and the grayscale version is **29.0159, 30.5269, 33.2438**.

A 20% lighter version of the original color is **56.6541, 61.7010, 103.5312**, and **14.0043, 13.9538, 43.5502** is the 20% darker color. If you saturate the color by 10%, you get **28.0807, 27.3714, 80.8946**, and if you desaturate by 10%, it is **38.3606, 39.6798, 82.7286**.

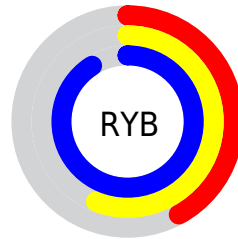
Distribution



Red (42%)

Green (62%)

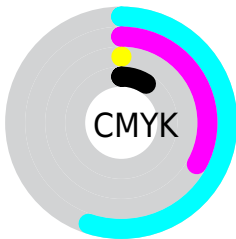
Blue (91%)



Red (42%)

Yellow (56%)

Blue (91%)

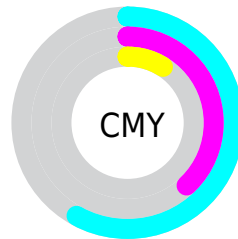


Cyan (55%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (58%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7088, 33.0613, 81.7483 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 32.7088, 33.0613, 81.7483 by changing the saturation by 10% instead.

■ 32.7088, 33.0613,
81.7483

■ 32.7088, 33.0613,
81.7483

306.0238,
315.9259, 520.6667

■ 22.0616, 22.1734,
60.6235

■ 63.2784, 64.4712,
137.6545

■ 14.0190, 13.9844,
43.4928

■ 83.9314, 85.7620,
173.2729

■ 8.2157, 8.1098,
29.9377

■ 108.6505,
111.2893, 214.5597

■ 4.2862, 4.1653,
19.5397

137.8010,
141.4374, 261.9333

■ 1.8653, 1.7664,
11.8801

171.7482,
176.5907, 315.8122

■ 0.5566, 0.4661,
6.5406

210.8575,

■ 0.0000, 0.0000,

217.1336, 376.6151

3.1024

255.4942,
263.4505, 444.7604

■ 0.0000, 0.0000,
1.1472

■ 0.0000, 0.0000,
0.0000

■ 32.7088, 33.0613,
81.7483

■ 32.7088, 33.0613,
81.7483

■ 28.0807, 27.3714,
80.8946

■ 38.3606, 39.6798,
82.7286

■ 24.4013, 22.5563,
80.1591

■ 45.0966, 47.2690,
83.8384

■ 21.5896, 18.5607,
79.5361

■ 52.9765, 55.8726,
85.0838

■ 19.5470, 15.3189,
79.0180

■ 62.0543, 65.5300,
86.4694

■ 18.6721, 13.8113,
78.7731

■ 72.3804, 76.2784,
87.9998

■ 84.0024, 88.1532,
89.6793

■ 91.5832, 98.4134,
91.2602

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



26.8370, 33.0613, 77.1159



32.7088, 33.0613, 81.7483



38.9866, 33.0613, 71.2377

Triad

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



32.7088, 33.0613, 81.7483



42.0756, 33.0613, 19.3923



21.7342, 33.0613, 23.8614

Complementary

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



32.7088, 33.0613, 81.7483



52.9353, 51.8224, 20.8501

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.



24.9083, 33.0613, 14.8562



32.7088, 33.0613, 81.7483



36.5055, 33.0613, 12.9330

Square

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



32.7088, 33.0613, 81.7483



44.8336, 33.0613, 32.4877



30.1729, 33.0613, 11.6001



20.9962, 33.0613, 39.7528

Rectangle

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



32.7088, 33.0613, 81.7483



42.3966, 33.0613, 58.5983



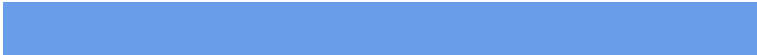
30.1729, 33.0613, 11.6001



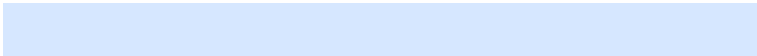
22.5292, 33.0613, 20.1148

Sweetspot

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



32.7100, 33.0625, 81.7491



74.2995, 78.4653, 105.8371



43.3308, 64.6417, 53.4195



15.3940, 16.2561, 22.5763



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.



32.7100, 33.0625, 81.7491



34.0502, 33.0690, 99.1961



27.1438, 19.9461, 79.5108



14.7277, 15.5418, 19.1459



10.7087, 8.0643, 44.7351



0.9328, 0.8172, 3.5434

Inverse Universe

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



44.8452, 30.0675, 35.3393



50.8178, 30.8403, 34.6420



61.9934, 74.9147, 24.8299



15.3161, 15.1543, 16.9498



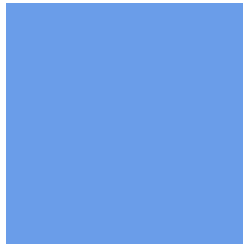
20.2605, 10.3069, 7.1733



1.6374, 0.8279, 0.8077

Previews

White Background



This preview shows how the XYZ color 32.7088, 33.0613, 81.7483 looks on a white background.

Color Contrast Check

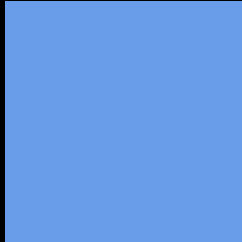
Large Text (above 18pt) WCAG AA × Fail

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 32.7088, 33.0613, 81.7483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

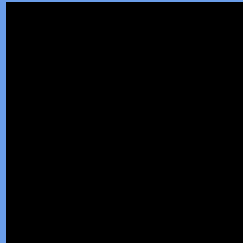
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

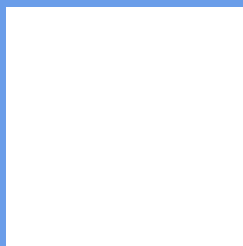
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7088, 33.0613, 81.7483

Background



This preview shows how black text looks on a background with the XYZ color 32.7088, 33.0613, 81.7483.



This preview shows how white text looks on a background with the XYZ color 32.7088, 33.0613,

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

32.7088, 33.0613, 81.7483

Protanopia

34.4244, 32.7807, 78.6417

Deuteranopia

33.8781, 32.9033, 82.4073



Tritanopia

26.0897, 32.9999, 48.7106

Trichromacy



Original Color

32.7088, 33.0613, 81.7483

Protanomaly

33.7237, 32.8893, 79.4338

Deuteranomaly

33.5121, 32.9606, 82.4377

Tritanomaly

28.1386, 32.7442, 59.4808

Monochromacy



Original Color

32.7088, 33.0613, 81.7483

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.4610, 31.1461, 47.6391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7088, 33.0613, 81.7483 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(106, 157, 233)` looks like.

```
.text, #text, p{  
    color:rgb(106, 157, 233)  
}
```

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(106, 157, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 157, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.7088, 33.0613, 81.7483 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(106, 157, 233) }
```


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

```
.border{ border-color:rgb(106, 157, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 157, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 157, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 157, 233);  
box-shadow:4px 4px 4px 4px rgb(106, 157,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7088, 33.0613, 81.7483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 157, 233) }
```

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

```
.background{ background-color: rgb(106,  
157, 233) }
```

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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