

Converting Colors

XYZ(32.2721, 28.4328, 87.3016)

Have a look what the booklet for
XYZ(32.2721, 28.4328, 87.3016)
contains.

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Color

**XYZ(32.3123, 28.5291,
87.0227)**

Conversions

Conversions Part 1

Format	Color
Hex	748BF1
RGB	116, 139, 241
RGB Percent	45%, 55%, 95%
CMY	0.5451, 0.4549, 0.0549
CMYK	0.52, 0.42, 0.00, 0.05
HSL	229°, 82%, 70%
HSV	229°, 52%, 95%
XYZ	32.3123, 28.5291, 87.0227
YIQ	143.7510, -46.4500, 26.8460

Conversions

Conversions Part 2

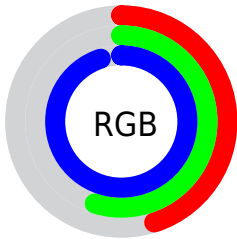
Format	Color
R _Y B	116, 135, 241
Decimal	7638001
CIE Lab	60.36, 19.81, -53.94
CIE LCh	60, 57.465, 290.165
Yxy	28.5291, 0.2185, 0.1929
Android (android.graphics.Color)	4285828081 (0xFF748BF1)
YUV	143.7510, 47.9438, -24.3376
Hunter-Lab	53.4126, 14.5125, -59.2096

Details

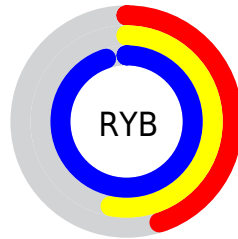
The XYZ color **32.3123, 28.5291, 87.0227** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.5015, 70.1077, 26.6575**, and the grayscale version is **26.2371, 27.6035, 30.0602**.

A 20% lighter version of the original color is **54.3552, 53.9179, 102.1501**, and **13.7454, 11.3897, 46.8214** is the 20% darker color. If you saturate the color by 10%, you get **26.9184, 21.8950, 86.0271**, and if you desaturate by 10%, it is **39.0516, 36.6179, 88.2294**.

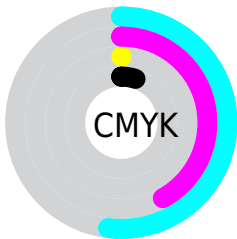
Distribution



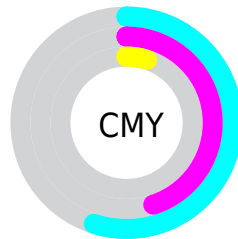
- Red (45%)
- Green (55%)
- Blue (95%)



- Red (45%)
- Yellow (53%)
- Blue (95%)



- Cyan (52%)
- Magenta (42%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (45%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3123, 28.5291, 87.0227 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 32.3123, 28.5291, 87.0227 by changing the saturation by 10% instead.

■ 32.3123, 28.5291,
87.0227

■ 32.3123, 28.5291,
87.0227

304.2595,
294.9866, 538.6156

■ 21.7569, 18.7249,
64.9543

■ 62.6623, 57.3281,
145.0949

■ 13.7939, 11.4717,
46.9729

■ 83.1875, 77.0916,
181.9358

■ 8.0582, 6.3850,
32.6600

■ 107.7666,
100.9437, 224.5379

■ 4.1844, 3.0806,
21.5971

136.7652,
129.2688, 273.3197

■ 1.8070, 1.1739,
13.3657

170.5483,
162.4512, 328.6999

■ 0.5219, 0.0403,
7.5472

209.4815,

■ 0.0000, 0.0000,

200.8754, 391.0969

3.7230

253.9302,
244.9257, 460.9293

■ 0.0000, 0.0000,
1.4746

■ 0.0000, 0.0000,
0.1989

■ 32.3123, 28.5291,
87.0227

■ 32.3123, 28.5291,
87.0227

■ 26.9184, 21.8950,
86.0271

■ 39.0516, 36.6179,
88.2294

■ 22.7732, 16.6239,
85.2281

■ 47.2168, 46.2394,
89.6562

■ 19.7723, 12.6176,
84.6130

■ 56.8862, 57.4698,
91.3142

■ 17.7914, 9.7626,
84.1663

■ 68.1312, 70.3788,
93.2132

■ 16.7906, 8.1775,
83.9131

■ 81.0187, 85.0323,
95.3624

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



24.7617, 28.5291, 90.8437



32.3123, 28.5291, 87.0227



39.5489, 28.5291, 65.0815

Triad

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



32.3123, 28.5291, 87.0227



37.2690, 28.5291, 9.1289



15.3919, 28.5291, 24.6207

Complementary

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



32.3123, 28.5291, 87.0227



64.5015, 70.1077, 26.6575

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.



17.6072, 28.5291, 11.6143



32.3123, 28.5291, 87.0227



29.6151, 28.5291, 5.7514

Square

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



32.3123, 28.5291, 87.0227



42.7517, 28.5291, 19.0461



22.5091, 28.5291, 6.3893



15.8500, 28.5291, 47.2996

Rectangle

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



32.3123, 28.5291, 87.0227



42.7895, 28.5291, 47.0094



22.5091, 28.5291, 6.3893



15.8305, 28.5291, 19.2051

Sweetspot

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



32.3135, 28.5301, 87.0234



71.8832, 73.6328, 105.0316



51.0537, 71.5824, 76.0930



14.8229, 15.1138, 22.3860



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.



32.3135, 28.5301, 87.0234



30.4281, 24.6740, 97.7666



35.3558, 25.6647, 86.3100



15.1325, 15.6991, 19.9543



9.1755, 4.5753, 45.5274



0.8283, 0.5106, 3.8091

Inverse Universe

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



47.1823, 33.0573, 28.3206



49.2704, 31.2969, 23.1779



59.3739, 76.9393, 28.2464



15.8916, 15.8063, 16.9852



19.9570, 10.2552, 2.4242



1.6930, 0.8663, 0.3743

Previews

White Background



This preview shows how the XYZ color 32.3123, 28.5291, 87.0227 looks on a white background.

Color Contrast Check

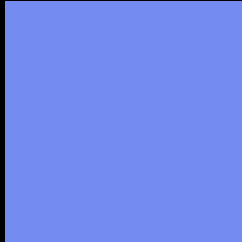
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3123, 28.5291, 87.0227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

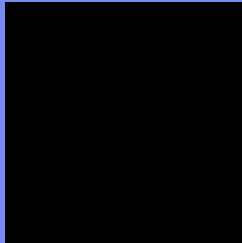
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3123, 28.5291, 87.0227

Background



This preview shows how black text looks on a background with the XYZ color 32.3123, 28.5291, 87.0227.



This preview shows how white text looks on a background with the XYZ color 32.3123, 28.5291,

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

32.3123, 28.5291, 87.0227

Protanopia

31.4816, 28.7024, 89.4688

Deuteranopia

29.5150, 28.6746, 85.6405



Tritanopia

23.2029, 28.5452, 41.3326

Trichromacy



Original Color

32.3123, 28.5291, 87.0227

Protanomaly

31.7659, 28.6466, 88.6491

Deuteranomaly

30.3745, 28.4230, 86.3234

Tritanomaly

25.9646, 28.2017, 55.7048

Monochromacy



Original Color

32.3123, 28.5291, 87.0227

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.6412, 27.6690, 46.5316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3123, 28.5291, 87.0227 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(116, 139, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 241)  
}
```

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(116, 139, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 241) }
```

Border

The CSS property to change the border of an element to XYZ 32.3123, 28.5291, 87.0227 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(116, 139, 241) }
```


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

```
.border{ border-color:rgb(116, 139, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 139, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 139, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 139,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3123, 28.5291, 87.0227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 241) }
```

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

```
.background{ background-color: rgb(116,  
139, 241) }
```

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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