

Converting Colors

XYZ(32.6982, 29.5160, 81.4782)

Have a look what the booklet for
XYZ(32.6982, 29.5160, 81.4782)
contains.

| | |
|--|----|
| XYZ(32.6927, 29.4975, 81.8124) | 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(32.6927, 29.4975,
81.8124)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7B8EEA |
| RGB | 123, 142, 234 |
| RGB Percent | 48%, 56%, 92% |
| CMY | 0.5176, 0.4431, 0.0823 |
| CMYK | 0.47, 0.39, 0.00, 0.08 |
| HSL | 230°, 73%, 70% |
| HSV | 230°, 47%, 92% |
| XYZ | 32.6927, 29.4975, 81.8124 |
| YIQ | 146.8070, -40.8560, 24.5840 |

Conversions

Conversions Part 2

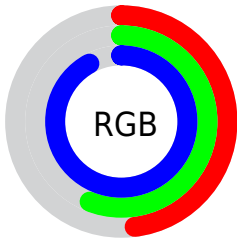
| Format | Color |
|-------------------------------------|---|
| RYB | 123, 139, 234 |
| Decimal | 8097514 |
| CIELab | 61.22, 17.49, -48.69 |
| CIElCh | 61, 51.735, 289.760 |
| Yxy | 29.4975, 0.2270, 0.2048 |
| Android (android.graphics.Color) | 4286287594 (0xFF7B8EEA) |
| YUV | 146.8070, 42.9861, -20.8787 |
| Hunter-Lab | 54.3116, 12.4022, -51.2935 |

Details

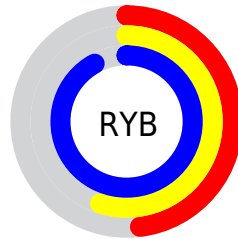
The XYZ color **32.6927, 29.4975, 81.8124** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.8088, 67.5256, 28.5167**, and the grayscale version is **27.4949, 28.9267, 31.5012**.

A 20% lighter version of the original color is **56.3875, 55.9535, 102.4359**, and **14.0430, 11.9925, 43.6941** is the 20% darker color. If you saturate the color by 10%, you get **27.0977, 22.6960, 80.7951**, and if you desaturate by 10%, it is **39.5920, 37.7176, 83.0360**.

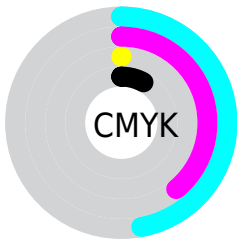
Distribution



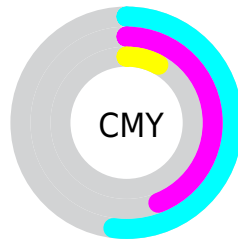
- Red (48%)
- Green (56%)
- Blue (92%)



- Red (48%)
- Yellow (55%)
- Blue (92%)



- Cyan (47%)
- Magenta (39%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6927, 29.4975, 81.8124 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 32.6927, 29.4975, 81.8124 by changing the saturation by 10% instead.

■ 32.6927, 29.4975,
81.8124

■ 32.6927, 29.4975,
81.8124

305.9523,
299.5551, 520.8869

■ 22.0492, 19.4575,
60.6760

■ 63.2534, 58.8666,
137.7452

■ 14.0099, 12.0013,
43.5349

■ 83.9013, 78.9645,
173.3787

■ 8.2093, 6.7446,
29.9705

■ 108.6147,
103.1837, 214.6816

■ 4.2821, 3.3029,
19.5643

137.7590,
131.9088, 262.0726

■ 1.8629, 1.2918,
11.8978

171.6996,
165.5241, 315.9700

■ 0.5552, 0.1349,
6.5525

210.8017,

■ 0.0000, 0.0000,

204.4140, 376.7925

3.1097

255.4309,
248.9629, 444.9587

■ 0.0000, 0.0000,
1.1509

■ 0.0000, 0.0000,
0.0000

■ 32.6927, 29.4975,
81.8124

■ 32.6927, 29.4975,
81.8124

■ 27.0977, 22.6960,
80.7951

■ 39.5920, 37.7176,
83.0360

■ 22.7196, 17.2282,
79.9704

■ 47.8686, 47.4283,
84.4741

■ 19.4655, 13.0044,
79.3266

■ 57.5939, 58.7005,
86.1373

■ 17.2269, 9.9222,
78.8497

■ 68.8334, 71.5995,
88.0347

■ 15.8660, 7.8581,
78.5230

■ 81.6485, 86.1869,
90.1749

■ 15.6118, 7.4615,
78.4599

■ 91.8514, 98.7206,
92.0564

Harmonies

Analogous

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



25.7759, 29.4975, 84.8488



32.6927, 29.4975, 81.8124



39.2470, 29.4975, 62.8846

Triad

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



32.6927, 29.4975, 81.8124



37.3584, 29.4975, 11.1764



17.0387, 29.4975, 25.9107

Complementary

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



32.6927, 29.4975, 81.8124



61.8088, 67.5256, 28.5167

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.



19.1941, 29.4975, 13.4941



32.6927, 29.4975, 81.8124



30.4255, 29.4975, 7.5660

Square

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



32.6927, 29.4975, 81.8124



42.2279, 29.4975, 21.0497



23.8448, 29.4975, 8.1962



17.4448, 29.4975, 46.5117

Rectangle

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



32.6927, 29.4975, 81.8124



42.1787, 29.4975, 46.8905



23.8448, 29.4975, 8.1962



17.4721, 29.4975, 20.8278

Sweetspot

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



32.6938, 29.4985, 81.8131



74.3900, 76.3991, 105.4335



49.6853, 67.8947, 73.8716



15.3124, 15.6505, 22.4638



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.



32.6938, 29.4985, 81.8131



33.0350, 27.7087, 98.2149



36.0658, 27.3925, 81.2289



14.4396, 14.9656, 19.0498



8.8353, 4.3175, 44.1107



0.7548, 0.4611, 3.4841

Inverse Universe

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



45.8982, 33.6128, 29.6609



51.1182, 34.0724, 26.6298



56.5125, 72.3982, 29.7363



15.1707, 15.0961, 16.1840



19.3149, 9.9287, 2.1938



1.5475, 0.7920, 0.3345

Previews

White Background



This preview shows how the XYZ color 32.6927, 29.4975, 81.8124 looks on a white background.

Color Contrast Check

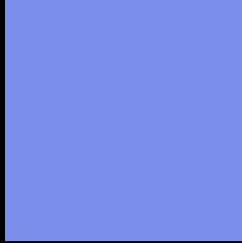
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6927, 29.4975, 81.8124 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 32.6927, 29.4975, 81.8124

Background



This preview shows how black text looks on a background with the XYZ color 32.6927, 29.4975, 81.8124.



This preview shows how white text looks on a background with the XYZ color 32.6927, 29.4975,

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

32.6927, 29.4975, 81.8124

Protanopia

31.7957, 29.4474, 83.3650

Deuteranopia

30.3972, 29.4600, 81.1750



Tritanopia

24.6653, 29.5471, 41.4490

Trichromacy



Original Color

32.6927, 29.4975, 81.8124

Protanomaly

32.0203, 29.3561, 82.5759

Deuteranomaly

31.0177, 29.3221, 81.1157

Tritanomaly

27.1366, 29.3185, 54.0980

Monochromacy



Original Color

32.6927, 29.4975, 81.8124

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.7433, 28.9087, 46.7128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6927, 29.4975, 81.8124 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(123, 142, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 142, 234)  
}
```

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(123, 142, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 142, 234) }
```

Border

The CSS property to change the border of an element to XYZ 32.6927, 29.4975, 81.8124 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(123, 142, 234) }
```


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

```
.border{ border-color:rgb(123, 142, 234) }
```

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

Here you see how a box with a 4 pixel rgb(123, 142, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 142, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 142, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 142,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6927, 29.4975, 81.8124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 142, 234) }
```

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

```
.background{ background-color: rgb(123,  
142, 234) }
```

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