

Converting Colors

XYZ(32.0795, 21.8015, 97.1246)

Have a look what the booklet for
XYZ(32.0795, 21.8015, 97.1246)
contains.

XYZ(32.0536, 21.7878, 97.1238)	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>	30

Color

**XYZ(32.0536, 21.7878,
97.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	8168FF
RGB	129, 104, 255
RGB Percent	51%, 41%, 100%
CMY	0.4941, 0.5922, 0.0000
CMYK	0.49, 0.59, 0.00, 0.00
HSL	250°, 100%, 70%
HSV	250°, 59%, 100%
XYZ	32.0536, 21.7878, 97.1238
YIQ	128.6890, -33.5710, 52.2610

Conversions

Conversions Part 2

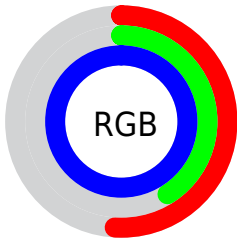
Format	Color
R _Y B	129, 104, 255
Decimal	8481023
CIE _{Lab}	53.80, 47.16, -72.18
CIE _{LCh}	54, 86.220, 303.162
Y _{xy}	21.7878, 0.2123, 0.1443
Android (android.graphics.Color)	4286671103 (0xFF8168FF)
Y _{UV}	128.6890, 62.2713, 0.2727
Hunter-Lab	46.6774, 40.8914, -90.6932

Details

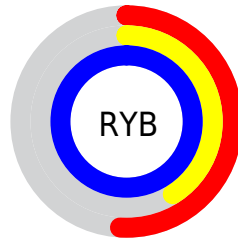
The XYZ color **32.0536, 21.7878, 97.1238** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **70.8903, 89.3417, 26.6053**, and the grayscale version is **20.5565, 21.6271, 23.5519**.

A 20% lighter version of the original color is **50.9247, 41.8158, 99.9950**, and **13.6242, 7.8874, 53.6277** is the 20% darker color. If you saturate the color by 10%, you get **26.9615, 15.9114, 96.2579**, and if you desaturate by 10%, it is **38.5963, 29.5638, 98.2799**.

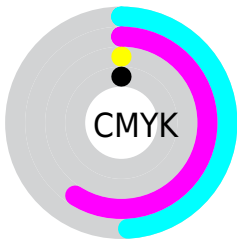
Distribution



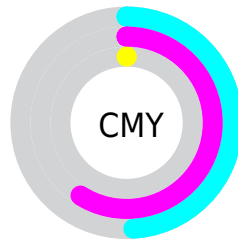
- Red (51%)
- Green (41%)
- Blue (100%)



- Red (51%)
- Yellow (41%)
- Blue (100%)



- Cyan (49%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0536, 21.7878, 97.1238 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 32.0536, 21.7878, 97.1238 by changing the saturation by 10% instead.

 32.0536, 21.7878,
97.1238


 32.0536, 21.7878,
97.1238


303.1043,
261.4361, 572.0991


 21.5582, 13.7011,
73.2973


 62.2597, 46.3950,
159.2162

 13.6474, 7.9130,
53.7258


 82.7012, 63.6843,
198.3191

 7.9559, 4.0394,
37.9908


 107.1887, 84.8099,
243.3513

 4.1183, 1.6956,
25.6737

 136.0875,
110.1562, 294.7312

 1.7693, 0.4208,
16.3562

169.7632,
140.1075, 352.8774

 0.4991, 0.0000,
9.6194

208.5810,

 0.0000, 0.0000,

175.0484, 418.2084

5.0451

252.9062,
215.3631, 491.1428

■ 0.0000, 0.0000,
2.2145

■ 0.0000, 0.0000,
0.6827

■ 32.0536, 21.7878,
97.1238

■ 32.0536, 21.7878,
97.1238

■ 26.9615, 15.9114,
96.2579

■ 38.5963, 29.5638,
98.2799

■ 23.2026, 11.7662,
95.6559

■ 46.6885, 39.3840,
99.7489

■ 20.6450, 9.1568,
95.2871

■ 56.4236, 51.3813,
101.5515

■ 19.1060, 7.7966,
95.1056

■ 67.8867, 65.6766,
103.7066

■ 19.0142, 7.7170,
95.0951

■ 81.1570, 82.3818,
106.2316

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



21.7062, 21.7878, 119.7356



32.0536, 21.7878, 97.1238



41.0028, 21.7878, 54.9915

Triad

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



32.0536, 21.7878, 97.1238



29.8313, 21.7878, 1.1137



7.5335, 21.7878, 26.6480

Complementary

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



32.0536, 21.7878, 97.1238



70.8903, 89.3417, 26.6053

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.



8.5387, 21.7878, 7.3464



32.0536, 21.7878, 97.1238



19.7422, 21.7878, 0.4664

Square

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



32.0536, 21.7878, 97.1238



39.4739, 21.7878, 5.3348



12.4169, 21.7878, 1.5212



9.0943, 21.7878, 63.9717

Rectangle

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



32.0536, 21.7878, 97.1238



43.8922, 21.7878, 30.3269



12.4169, 21.7878, 1.5212



7.5844, 21.7878, 18.1553

Sweetspot

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



32.0546, 21.7884, 97.1239



69.4014, 67.5759, 103.9934



52.7143, 68.0737, 104.9689



14.0880, 13.5033, 22.1138



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.



32.0546, 21.7884, 97.1239



26.1964, 15.0498, 96.1319



47.3983, 29.6984, 97.8419



17.2832, 17.5222, 22.7212



10.0170, 4.0744, 49.6931



1.0505, 0.4355, 4.8420

Inverse Universe

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



60.4727, 36.8737, 78.7895



57.2786, 31.5882, 74.3259



52.1343, 79.6726, 25.7276



18.6559, 18.2457, 22.0710



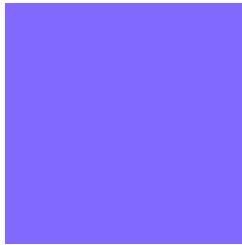
27.8572, 13.6322, 34.2284



2.7452, 1.3404, 3.5056

Previews

White Background



This preview shows how the XYZ color 32.0536, 21.7878, 97.1238 looks on a white background.

Color Contrast Check

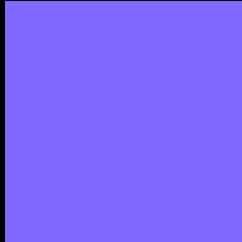
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0536, 21.7878, 97.1238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

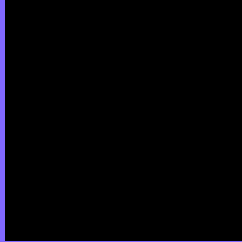
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0536, 21.7878, 97.1238

Background



This preview shows how black text looks on a background with the XYZ color 32.0536, 21.7878, 97.1238.

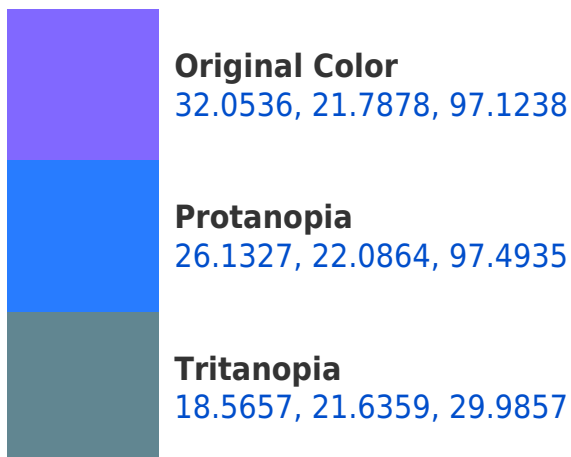


This preview shows how white text looks on a background with the XYZ color 32.0536, 21.7878,

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



Trichromacy



Original Color

32.0536, 21.7878, 97.1238



Protanomaly

27.0838, 21.3203, 97.2955



Tritanomaly

22.1466, 20.9199, 48.7696

Monochromacy



Original Color

32.0536, 21.7878, 97.1238



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

23.5076, 21.1952, 43.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0536, 21.7878, 97.1238 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(129, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 255)  
}
```

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(129, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.0536, 21.7878, 97.1238 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(129, 104, 255) }
```

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

```
.border{ border-color:rgb(129, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 104, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 104, 255); box-shadow:4px 4px 4px 4px rgb(129, 104, 255) }
```


Background

The CSS property to change the background color of an element to XYZ 32.0536, 21.7878, 97.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 255) }
```

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

```
.background{ background-color: rgb(129,  
104, 255) }
```

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