

Converting Colors

XYZ(24.8849, 13.4106, 90.8995)

Have a look what the booklet for
XYZ(24.8849, 13.4106, 90.8995)
contains.

XYZ(24.8849, 13.4106, 90.8995)	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(24.8849, 13.4106,
90.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	6B3EF9
RGB	107, 62, 249
RGB Percent	42%, 24%, 98%
CMY	0.5804, 0.7569, 0.0235
CMYK	0.57, 0.75, 0.00, 0.02
HSL	254°, 94%, 61%
HSV	254°, 75%, 98%
XYZ	24.8849, 13.4106, 90.8995
YIQ	96.7730, -33.2070, 67.6970

Conversions

Conversions Part 2

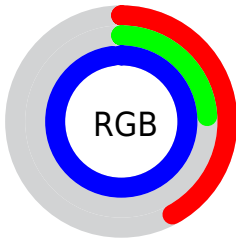
Format	Color
R _{YB}	107, 62, 249
Decimal	7028473
CIE Lab	43.38, 63.94, -85.95
CIE LCh	43, 107.123, 306.646
Yxy	13.4106, 0.1926, 0.1038
Android (android.graphics.Color)	4285218553 (0xFF6B3EF9)
YUV	96.7730, 75.0479, 8.9691
Hunter-Lab	36.6205, 57.2111, -121.5355

Details

The XYZ color **24.8849, 13.4106, 90.8995** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **59.6450, 80.9357, 17.0357**, and the grayscale version is **11.1353, 11.7153, 12.7579**.

A 20% lighter version of the original color is **40.9753, 28.1394, 97.8796**, and **9.6925, 3.9103, 49.5341** is the 20% darker color. If you saturate the color by 10%, you get **21.7976, 10.2484, 90.4522**, and if you desaturate by 10%, it is **29.0904, 18.0686, 91.5773**.

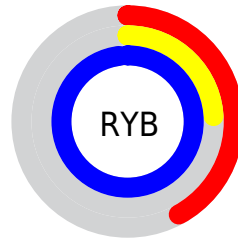
Distribution



Red (42%)

Green (24%)

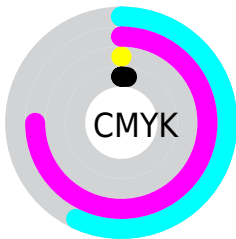
Blue (98%)



Red (42%)

Yellow (24%)

Blue (98%)

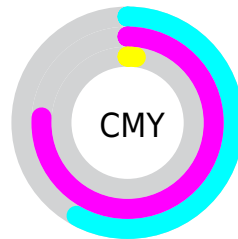


Cyan (57%)

Magenta (75%)

Yellow (0%)

Black (2%)



Cyan (58%)


Magenta (76%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8849, 13.4106, 90.8995 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 24.8849, 13.4106, 90.8995 by changing the saturation by 10% instead.


 24.8849, 13.4106,
90.8995


 24.8849, 13.4106,
90.8995


269.6225,
213.5326, 551.5980


 16.1196, 7.7119,
68.1490

 50.9147, 32.0395,
150.5336


 9.7002, 3.9112,
49.5515


 68.9099, 45.7385,
188.2544

 5.2614, 1.6240,
34.6885


 90.7124, 62.8730,
231.8022

 2.4378, 0.3737,
23.1414

 116.6876, 83.8275,
281.5958

 0.8640, 0.0000,
14.4917

 147.2008,
108.9863, 338.0537

 0.0000, 0.0000,
8.3208

182.6175,

 0.0000, 0.0000,

138.7338, 401.5943

4.2102

223.3029,
173.4545, 472.6362

■ 0.0000, 0.0000,
1.7413

■ 0.0000, 0.0000,
0.3888

■ 24.8849, 13.4106,
90.8995

■ 24.8849, 13.4106,
90.8995

■ 21.7976, 10.2484,
90.4522

■ 29.0904, 18.0686,
91.5773

■ 19.7008, 8.3796,
90.2020

■ 34.5165, 24.3870,
92.5109

■ 18.9582, 7.7981,
90.1289

■ 41.2556, 32.5089,
93.7234

■ 49.3904, 42.5617,
95.2350

■ 58.9965, 54.6607,
97.0641

■ 70.1437, 68.9123,
99.2274

■ 82.8974, 85.4155,
101.7406

■ 94.0990, 99.6196,
103.8919

Harmonies

Analogous

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



14.6899, 13.4106, 123.8514



24.8849, 13.4106, 90.8995



33.8104, 13.4106, 41.3527

Triad

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



24.8849, 13.4106, 90.8995



20.2022, 13.4106, 0.0000



2.5420, 13.4106, 20.5752

Complementary

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



24.8849, 13.4106, 90.8995



59.6450, 80.9357, 17.0357

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.



2.9755, 13.4106, 2.9262



24.8849, 13.4106, 90.8995



10.9823, 13.4106, 0.0000

Square

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



24.8849, 13.4106, 90.8995



30.3837, 13.4106, 0.7584



5.3811, 13.4106, 0.0000



3.7344, 13.4106, 62.6067

Rectangle

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



24.8849, 13.4106, 90.8995



36.3307, 13.4106, 17.4513



5.3811, 13.4106, 0.0000



2.5148, 13.4106, 12.0808

Sweetspot

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



24.8857, 13.4109, 90.8999



64.5802, 60.6281, 102.9064



41.0046, 51.7020, 97.4413



12.9723, 11.8968, 21.8625



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.



24.8857, 13.4109, 90.8999



21.7793, 9.6746, 95.3272



42.4101, 22.4450, 91.7200



16.6742, 16.8447, 21.7578



10.2534, 4.2285, 48.2493



1.0403, 0.4384, 4.4730

Inverse Universe

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



51.6878, 27.9442, 59.7913



51.9961, 26.1359, 56.8027



41.4103, 71.5354, 16.1824



17.8040, 17.4489, 20.8233



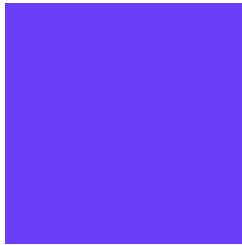
25.8913, 12.7722, 27.1998



2.4393, 1.1994, 2.7366

Previews

White Background



This preview shows how the XYZ color 24.8849, 13.4106, 90.8995 looks on a white background.

Color Contrast Check

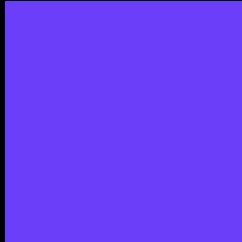
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.8849, 13.4106, 90.8995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

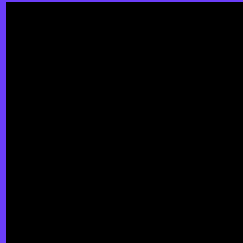
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8849, 13.4106, 90.8995

Background



This preview shows how black text looks on a background with the XYZ color 24.8849, 13.4106, 90.8995.



This preview shows how white text looks on a background with the XYZ color 24.8849, 13.4106,

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

24.8849, 13.4106, 90.8995

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

12.9874, 13.2775, 43.4733



Tritanopia

10.5366, 13.3245, 19.4693

Trichromacy



Original Color

24.8849, 13.4106, 90.8995



Protanomaly

17.2700, 12.2023, 70.5523



Deuteranomaly

15.1886, 11.8879, 57.9940



Tritanomaly

13.6989, 12.0777, 37.6856

Monochromacy



Original Color

24.8849, 13.4106, 90.8995



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

14.2046, 11.3743, 31.1526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8849, 13.4106, 90.8995 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(107, 62, 249)` looks like.

```
.text, #text, p{  
    color:rgb(107, 62, 249)  
}
```

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(107, 62, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 62, 249) }
```

Border

The CSS property to change the border of an element to XYZ 24.8849, 13.4106, 90.8995 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(107, 62, 249) }
```


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

```
.border{ border-color:rgb(107, 62, 249) }
```

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

Here you see how a box with a 4 pixel rgb(107, 62, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 62, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 62, 249);  
box-shadow:4px 4px 4px 4px rgb(107, 62,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8849, 13.4106, 90.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 62, 249) }
```

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

```
.background{ background-color: rgb(107, 62,  
249) }
```

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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