

Converting Colors

XYZ(31.2724, 15.2655, 95.9060)

Have a look what the booklet for
XYZ(31.2724, 15.2655, 95.9060)
contains.

XYZ(31.2724, 15.2655, 95.9060)	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(31.2724, 15.2655,
95.9060)**

Conversions

Conversions Part 1

Format	Color
Hex	952AFF
RGB	149, 42, 255
RGB Percent	58%, 16%, 100%
CMY	0.4157, 0.8353, 0.0000
CMYK	0.42, 0.84, 0.00, 0.00
HSL	270°, 100%, 58%
HSV	270°, 84%, 100%
XYZ	31.2724, 15.2655, 95.9060
YIQ	98.2750, -4.6010, 88.9270

Conversions

Conversions Part 2

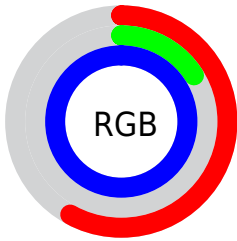
Format	Color
R _Y B	149, 42, 255
Decimal	9775871
CIE Lab	46.00, 77.96, -84.83
CIE LCh	46, 115.207, 312.583
Yxy	15.2655, 0.2195, 0.1072
Android (android.graphics.Color)	4287965951 (0xFF952AFF)
YUV	98.2750, 77.2654, 44.4858
Hunter-Lab	39.0711, 74.4965, -118.1867

Details

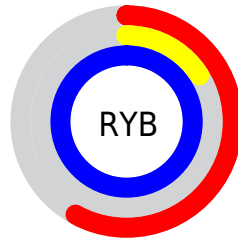
The XYZ color **31.2724, 15.2655, 95.9060** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **48.3897, 77.9826, 14.6922**, and the grayscale version is **11.4930, 12.0916, 13.1677**.

A 20% lighter version of the original color is **49.7642, 30.7694, 97.9240**, and **13.8244, 5.9625, 53.2456** is the 20% darker color. If you saturate the color by 10%, you get **28.4474, 12.8662, 95.5918**, and if you desaturate by 10%, it is **34.9252, 18.9434, 96.4234**.

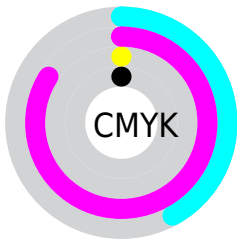
Distribution



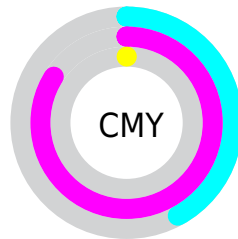
- Red (58%)
- Green (16%)
- Blue (100%)



- Red (58%)
- Yellow (16%)
- Blue (100%)



- Cyan (42%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2724, 15.2655, 95.9060 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 31.2724, 15.2655, 95.9060 by changing the saturation by 10% instead.


 31.2724, 15.2655,
95.9060


 31.2724, 15.2655,
95.9060

299.5958,
224.9676, 568.1197


 20.9592, 9.0059,
72.2882


 61.0416, 35.3183,
157.5220


 13.2065, 4.7451,
52.9059


 81.2283, 49.8803,
196.3573


 7.6489, 2.0985,
37.3404


 105.4370, 67.9785,
241.1022

 3.9210, 0.6638,
25.1733

 134.0328, 89.9975,
292.1753

 1.6575, 0.0000,
15.9860

 167.3813,
116.3214, 349.9950

 0.4295, 0.0000,
9.3600

 205.8477,

 0.0000, 0.0000,

147.3349, 414.9800

4.8767

249.7974,
183.4221, 487.5487

■ 0.0000, 0.0000,
2.1177

■ 0.0000, 0.0000,
0.6262

■ 31.2724, 15.2655,
95.9060

■ 31.2724, 15.2655,
95.9060

■ 28.4474, 12.8662,
95.5918

■ 34.9252, 18.9434,
96.4234

■ 26.9678, 11.8173,
95.4673

■ 39.5055, 24.0915,
97.1757

■ 45.0989, 30.8689,
98.1891

■ 51.7793, 39.4131,
99.4862

■ 59.6131, 49.8466,
101.0871

■ 68.6607, 62.2804,
103.0103

■ 78.9779, 76.8170,
105.2723

■ 90.6170, 93.5517,
107.8890

■ 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.



18.9937, 15.2655, 143.6021



31.2724, 15.2655, 95.9060



40.7910, 15.2655, 38.4568

Triad

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



31.2724, 15.2655, 95.9060



20.8826, 15.2655, 0.0000



2.8196, 15.2655, 31.2946

Complementary

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



31.2724, 15.2655, 95.9060



48.3897, 77.9826, 14.6922

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.



2.9593, 15.2655, 5.1662



31.2724, 15.2655, 95.9060



10.7931, 15.2655, 0.0000

Square

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



31.2724, 15.2655, 95.9060



33.1773, 15.2655, 0.0942



5.1553, 15.2655, 0.0000



4.6140, 15.2655, 85.9596

Rectangle

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



31.2724, 15.2655, 95.9060



42.4900, 15.2655, 14.3151



5.1553, 15.2655, 0.0000



2.6773, 15.2655, 19.1632

Sweetspot

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



31.2732, 15.2659, 95.9061



67.2520, 60.3226, 102.7066



29.6733, 29.0492, 98.6508



13.6978, 11.9492, 21.8344



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.



31.2732, 15.2659, 95.9061



26.9678, 11.8173, 95.4673



60.1179, 30.1359, 97.2560



17.8726, 17.8261, 22.7487



14.2636, 6.2637, 49.8918



1.5148, 0.6748, 4.8637

Inverse Universe

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



47.4128, 25.0539, 30.3518



45.0640, 22.7896, 22.0667



37.1327, 72.1794, 14.1654



18.3863, 18.1378, 20.6515



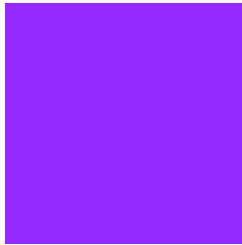
23.6222, 11.9382, 11.9267



2.3551, 1.1844, 1.4514

Previews

White Background



This preview shows how the XYZ color 31.2724, 15.2655, 95.9060 looks on a white background.

Color Contrast Check

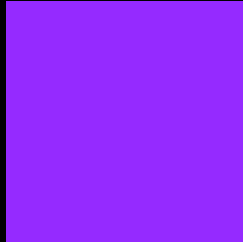
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2724, 15.2655, 95.9060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

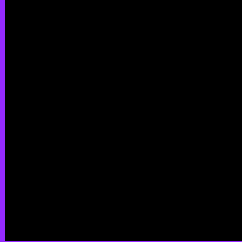
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2724, 15.2655, 95.9060

Background



This preview shows how black text looks on a background with the XYZ color 31.2724, 15.2655, 95.9060.



This preview shows how white text looks on a background with the XYZ color 31.2724, 15.2655,

95.9060.

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

31.2724, 15.2655, 95.9060

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.1981, 15.3499, 51.4520



Tritanopia

15.5034, 15.1470, 17.7293

Trichromacy



Original Color

31.2724, 15.2655, 95.9060



Protanomaly

19.2466, 12.7020, 78.5281



Deuteranomaly

17.0671, 12.4557, 65.1230



Tritanomaly

18.8621, 13.4183, 37.1932

Monochromacy



Original Color

31.2724, 15.2655, 95.9060



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

15.9769, 11.5972, 32.4068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2724, 15.2655, 95.9060 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(149, 42, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 42, 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(149, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 42, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2724, 15.2655, 95.9060 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(149, 42, 255) }
```


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

```
.border{ border-color:rgb(149, 42, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 42, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 42,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2724, 15.2655, 95.9060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 42, 255) }
```

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

```
.background{ background-color: rgb(149, 42,  
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