

Converting Colors

XYZ(29.7459, 17.0293, 96.3269)

Have a look what the booklet for
XYZ(29.7459, 17.0293, 96.3269)
contains.

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Color

**XYZ(29.7720, 16.9980,
96.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	824BFF
RGB	130, 75, 255
RGB Percent	51%, 29%, 100%
CMY	0.4902, 0.7059, 0.0000
CMYK	0.49, 0.71, 0.00, 0.00
HSL	258°, 100%, 65%
HSV	258°, 71%, 100%
XYZ	29.7720, 16.9980, 96.3195
YIQ	111.9650, -25.0000, 67.6400

Conversions

Conversions Part 2

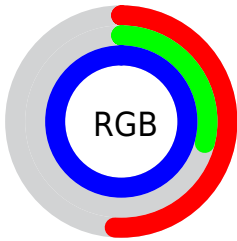
Format	Color
R _Y B	130, 75, 255
Decimal	8539135
CIE Lab	48.26, 62.60, -81.20
CIE LCh	48, 102.528, 307.627
Yxy	16.9980, 0.2081, 0.1188
Android (android.graphics.Color)	4286729215 (0xFF824BFF)
YUV	111.9650, 70.5163, 15.8167
Hunter-Lab	41.2286, 56.7482, -109.6549

Details

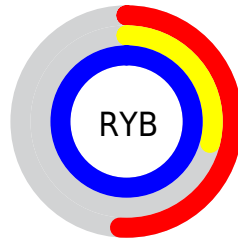
The XYZ color **29.7720, 16.9980, 96.3195** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **60.8479, 84.3066, 19.7224**, and the grayscale version is **15.1969, 15.9883, 17.4113**.

A 20% lighter version of the original color is **47.5074, 33.8648, 98.6404**, and **12.3608, 5.5537, 53.2438** is the 20% darker color. If you saturate the color by 10%, you get **25.8894, 12.9230, 95.7376**, and if you desaturate by 10%, it is **34.8162, 22.6998, 97.1542**.

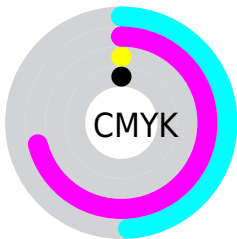
Distribution



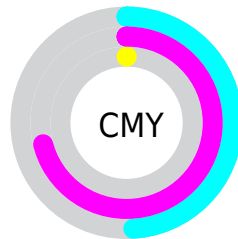
- Red (51%)
- Green (29%)
- Blue (100%)



- Red (51%)
- Yellow (29%)
- Blue (100%)



- Cyan (49%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7720, 16.9980, 96.3195 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 29.7720, 16.9980, 96.3195 by changing the saturation by 10% instead.

■ 29.7720, 16.9980,
96.3195

■ 29.7720, 16.9980,
96.3195

292.7692,
235.1609, 569.4725

■ 19.8128, 10.2331,
72.6307

■ 58.6905, 38.3223,
158.0975

■ 12.3665, 5.5538,
53.1841

■ 78.3806, 53.6505,
197.0239

■ 7.0678, 2.5757,
37.5610

■ 102.0449, 72.6019,
241.8665

■ 3.5512, 0.9145,
25.3430

■ 130.0490, 95.5609,
293.0439

■ 1.4515, 0.0000,
16.1114

■ 162.7581,
122.9119, 350.9747

■ 0.2925, 0.0000,
9.4478

200.5376,

■ 0.0000, 0.0000,

155.0393, 416.0773

4.9336

243.7528,
192.3275, 488.7704

■ 0.0000, 0.0000,
2.1503

■ 0.0000, 0.0000,
0.6455

■ 29.7720, 16.9980,
96.3195

■ 29.7720, 16.9980,
96.3195

■ 25.8894, 12.9230,
95.7376

■ 34.8162, 22.6998,
97.1542

■ 23.0535, 10.2843,
95.3778

■ 41.1156, 30.1862,
98.2672

■ 21.1857, 8.8365,
95.1967

■ 48.7562, 39.5975,
99.6811

■ 57.8154, 51.0591,
101.4159

■ 68.3643, 64.6854,
103.4901

■ 80.4688, 80.5827,
105.9206

■ 94.1912, 98.8497,
108.7232

■ 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.



18.6564, 16.9980, 130.4353



29.7720, 16.9980, 96.3195



39.0748, 16.9980, 45.7646

Triad

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



29.7720, 16.9980, 96.3195



23.9927, 16.9980, 0.0000



4.0997, 16.9980, 26.2000

Complementary

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



29.7720, 16.9980, 96.3195



60.8479, 84.3066, 19.7224

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.



4.5962, 16.9980, 5.0301



29.7720, 16.9980, 96.3195



13.8898, 16.9980, 0.0000

Square

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



29.7720, 16.9980, 96.3195



34.9391, 16.9980, 1.5234



7.4913, 16.9980, 0.1398



5.7051, 16.9980, 70.9417

Rectangle

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



29.7720, 16.9980, 96.3195



41.5301, 16.9980, 20.7178



7.4913, 16.9980, 0.1398



4.0425, 16.9980, 16.4611

Sweetspot

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



29.7729, 16.9984, 96.3196



67.8996, 64.0802, 103.3978



41.8383, 50.4892, 102.1480



13.8809, 12.8683, 22.0022



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.



29.7729, 16.9984, 96.3196



24.5166, 11.5945, 95.5535



49.7795, 27.3122, 97.2559



17.5250, 17.6469, 22.7325



11.2023, 4.6855, 49.7485



1.1964, 0.5107, 4.8488

Inverse Universe

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



54.1807, 30.4620, 57.6642



51.1008, 26.3261, 50.3981



43.5855, 75.4075, 18.9145



18.5424, 18.2003, 21.4734



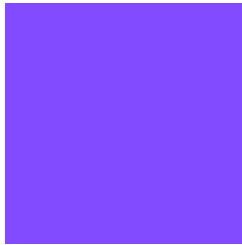
25.7691, 12.7969, 23.2321



2.5578, 1.2655, 2.5189

Previews

White Background



This preview shows how the XYZ color 29.7720, 16.9980, 96.3195 looks on a white background.

Color Contrast Check

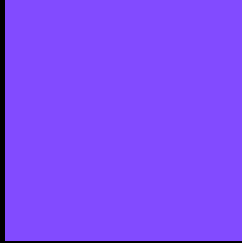
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7720, 16.9980, 96.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

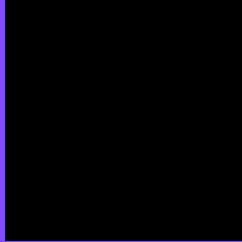
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.7720, 16.9980, 96.3195

Background



This preview shows how black text looks on a background with the XYZ color 29.7720, 16.9980, 96.3195.



This preview shows how white text looks on a background with the XYZ color 29.7720, 16.9980,

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

29.7720, 16.9980, 96.3195

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

14.9253, 16.8689, 22.5480

Trichromacy



Original Color

29.7720, 16.9980, 96.3195



Protanomaly

21.1752, 15.4450, 84.3032



Deuteranomaly

18.8419, 15.2744, 69.6653



Tritanomaly

18.4548, 15.6845, 42.0991

Monochromacy



Original Color

29.7720, 16.9980, 96.3195



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.7704, 15.5260, 37.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7720, 16.9980, 96.3195 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(130, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 75, 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(130, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7720, 16.9980, 96.3195 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(130, 75, 255) }
```


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

```
.border{ border-color:rgb(130, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7720, 16.9980, 96.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 75, 255) }
```

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

```
.background{ background-color: rgb(130, 75,  
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](#).

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