

Converting Colors

XYZ(30.2428, 16.7697, 96.2339)

Have a look what the booklet for
XYZ(30.2428, 16.7697, 96.2339)
contains.

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Color

**XYZ(30.2318, 16.7512,
96.2477)**

Conversions

Conversions Part 1

Format	Color
Hex	8746FF
RGB	135, 70, 255
RGB Percent	53%, 27%, 100%
CMY	0.4706, 0.7255, 0.0000
CMYK	0.47, 0.73, 0.00, 0.00
HSL	261°, 100%, 64%
HSV	261°, 73%, 100%
XYZ	30.2318, 16.7512, 96.2477
YIQ	110.5250, -20.6450, 71.3150

Conversions

Conversions Part 2

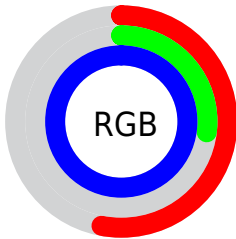
Format	Color
RYB	135, 70, 255
Decimal	8865535
CIELab	47.95, 65.68, -81.69
CIElCh	48, 104.823, 308.799
Yxy	16.7512, 0.2111, 0.1170
Android (android.graphics.Color)	4287055615 (0xFF8746FF)
YUV	110.5250, 71.2262, 21.4646
Hunter-Lab	40.9282, 60.2253, -110.7779

Details

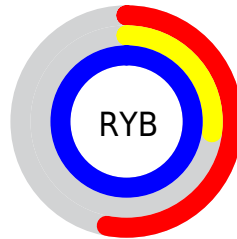
The XYZ color **30.2318, 16.7512, 96.2477** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **58.0994, 82.9087, 18.7352**, and the grayscale version is **14.7783, 15.5479, 16.9316**.

A 20% lighter version of the original color is **48.0226, 33.3711, 98.5179**, and **12.6690, 5.4636, 53.2102** is the 20% darker color. If you saturate the color by 10%, you get **26.5040, 12.9430, 95.7091**, and if you desaturate by 10%, it is **35.0513, 22.1263, 97.0311**.

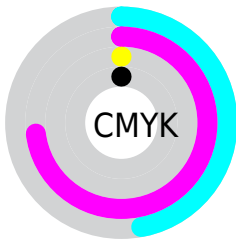
Distribution



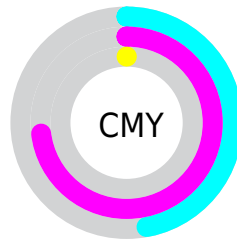
- Red (53%)
- Green (27%)
- Blue (100%)



- Red (53%)
- Yellow (27%)
- Blue (100%)



- Cyan (47%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2318, 16.7512, 96.2477 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 30.2318, 16.7512, 96.2477 by changing the saturation by 10% instead.

30.2318, 16.7512,
96.2477

30.2318, 16.7512,
96.2477

294.8739,
233.7345, 569.2377

20.1635, 10.0573,
72.5713

59.4127, 37.8975,
157.9976

12.6229, 5.4369,
53.1358

79.2560, 53.1187,
196.9081

7.2446, 2.5058,
37.5227

103.0884, 71.9510,
241.7338

3.6632, 0.8796,
25.3135

131.2752, 94.7790,
292.8931

1.5134, 0.0000,
16.0896

164.1818,
121.9869, 350.8046

0.3349, 0.0000,
9.4326

202.1736,

0.0000, 0.0000,

153.9592, 415.8869

4.9237

245.6158,
191.0803, 488.5584

■ 0.0000, 0.0000,
2.1446

■ 0.0000, 0.0000,
0.6421

■ 30.2318, 16.7512,
96.2477

■ 30.2318, 16.7512,
96.2477

■ 26.5040, 12.9430,
95.7091

■ 35.0513, 22.1263,
97.0311

■ 23.7539, 10.5062,
95.3837

■ 41.0539, 29.2289,
98.0857

■ 22.2278, 9.3737,
95.2455

■ 48.3233, 38.1999,
99.4341

■ 56.9341, 49.1653,
101.0968

66.9550, 62.2398,
103.0923

78.4495, 77.5291,
105.4376

91.4772, 95.1317,
108.1486

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.



18.8652, 16.7512, 133.0867



30.2318, 16.7512, 96.2477



39.5723, 16.7512, 44.2632

Triad

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



30.2318, 16.7512, 96.2477



23.4356, 16.7512, 0.0000



3.8715, 16.7512, 27.4114

Complementary

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



30.2318, 16.7512, 96.2477



58.0994, 82.9087, 18.7352

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.



4.2808, 16.7512, 5.1529



30.2318, 16.7512, 96.2477



13.3012, 16.7512, 0.0000

Square

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



30.2318, 16.7512, 96.2477



34.6893, 16.7512, 1.2049



7.0361, 16.7512, 0.0678



5.5459, 16.7512, 74.1147

Rectangle

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



30.2318, 16.7512, 96.2477



41.8636, 16.7512, 19.3511



7.0361, 16.7512, 0.0678



3.7904, 16.7512, 17.1708

Sweetspot

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



30.2327, 16.7516, 96.2477



67.5474, 63.0209, 103.2119



39.0434, 45.4574, 101.3241



13.8410, 12.6772, 21.9674



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.



30.2327, 16.7516, 96.2477



25.1666, 11.7023, 95.5401



51.9976, 27.9719, 97.2663



17.6051, 17.6881, 22.7362



11.7601, 4.9730, 49.7746



1.2581, 0.5425, 4.8517

Inverse Universe

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



52.7238, 29.3578, 51.6000



49.7285, 25.5322, 43.9265



41.8755, 74.5450, 17.9759



18.5057, 18.1856, 21.2802



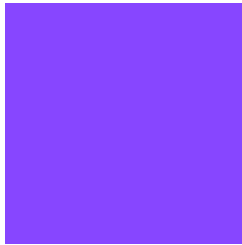
25.1900, 12.5653, 20.1826



2.5045, 1.2442, 2.2381

Previews

White Background



This preview shows how the XYZ color 30.2318, 16.7512, 96.2477 looks on a white background.

Color Contrast Check

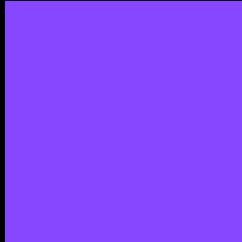
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2318, 16.7512, 96.2477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

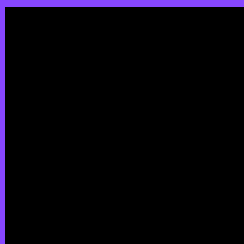
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2318, 16.7512, 96.2477

Background



This preview shows how black text looks on a background with the XYZ color 30.2318, 16.7512, 96.2477.



This preview shows how white text looks on a background with the XYZ color 30.2318, 16.7512,

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

30.2318, 16.7512, 96.2477

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

15.3139, 16.7382, 21.8257

Trichromacy



Original Color

30.2318, 16.7512, 96.2477



Protanomaly

21.0870, 15.1287, 84.2468



Deuteranomaly

18.5146, 14.6911, 68.8777



Tritanomaly

18.7183, 15.4129, 41.0182

Monochromacy



Original Color

30.2318, 16.7512, 96.2477



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.5395, 15.0032, 36.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2318, 16.7512, 96.2477 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(135, 70, 255)` looks like.

```
.text, #text, p{  
  color:rgb(135, 70, 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(135, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 70, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2318, 16.7512, 96.2477 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(135, 70, 255) }
```


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

```
.border{ border-color:rgb(135, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 70,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2318, 16.7512, 96.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 70, 255) }
```

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

```
.background{ background-color: rgb(135, 70,  
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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