

Converting Colors

XYZ(29.4812, 17.5481, 96.4410)

Have a look what the booklet for
XYZ(29.4812, 17.5481, 96.4410)
contains.

XYZ(29.5247, 17.6146, 96.4516)	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(29.5247, 17.6146,
96.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	7D52FF
RGB	125, 82, 255
RGB Percent	49%, 32%, 100%
CMY	0.5098, 0.6784, 0.0000
CMYK	0.51, 0.68, 0.00, 0.00
HSL	255°, 100%, 66%
HSV	255°, 68%, 100%
XYZ	29.5247, 17.6146, 96.4516
YIQ	114.5790, -29.9050, 62.9190

Conversions

Conversions Part 2

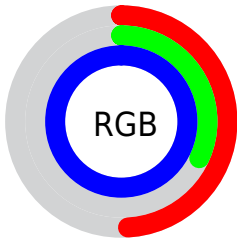
Format	Color
R _Y B	125, 82, 255
Decimal	8213247
CIE Lab	49.03, 58.34, -79.97
CIE LCh	49, 98.988, 306.115
Yxy	17.6146, 0.2056, 0.1227
Android (android.graphics.Color)	4286403327 (0xFF7D52FF)
YUV	114.5790, 69.2276, 9.1392
Hunter-Lab	41.9698, 52.1233, -106.8768

Details

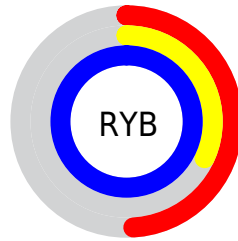
The XYZ color **29.5247, 17.6146, 96.4516** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.4330, 86.1255, 21.2107**, and the grayscale version is **15.9736, 16.8055, 18.3012**.

A 20% lighter version of the original color is **47.0686, 34.8350, 98.8508**, and **12.2297, 5.8296, 53.3040** is the 20% darker color. If you saturate the color by 10%, you get **25.4139, 13.1518, 95.8068**, and if you desaturate by 10%, it is **34.8907, 23.7844, 97.3596**.

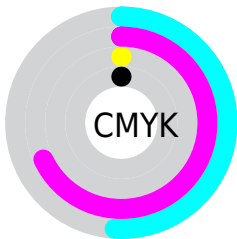
Distribution



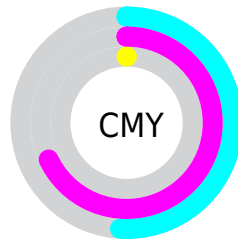
- Red (49%)
- Green (32%)
- Blue (100%)



- Red (49%)
- Yellow (32%)
- Blue (100%)



- Cyan (51%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5247, 17.6146, 96.4516 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 29.5247, 17.6146, 96.4516 by changing the saturation by 10% instead.

 29.5247, 17.6146,
96.4516

 29.5247, 17.6146,
96.4516


291.6324,
238.6897, 569.9044


 19.6244, 10.6736,
72.7402


 58.3015, 39.3795,
158.2813

 12.2290, 5.8478,
53.2730


 77.9087, 54.9723,
197.2367


 6.9731, 2.7528,
37.6315


 101.4822, 74.2177,
242.1105

 3.4915, 1.0041,
25.3972

 129.3875, 97.5003,
293.3212

 1.4187, 0.0000,
16.1515

 161.9897,
125.2044, 351.2874

 0.2695, 0.0000,
9.4759

199.6544,

 0.0000, 0.0000,

157.7144, 416.4277

4.9519

242.7468,
195.4147, 489.1605

■ 0.0000, 0.0000,
2.1608

■ 0.0000, 0.0000,
0.6516

■ 29.5247, 17.6146,
96.4516

■ 29.5247, 17.6146,
96.4516

■ 25.4139, 13.1518,
95.8068

■ 34.8907, 23.7844,
97.3596

■ 22.4410, 10.2110,
95.3959

■ 41.6090, 31.8164,
98.5559

■ 20.4604, 8.5512,
95.1799

■ 49.7695, 41.8495,
100.0624

■ 20.1248, 8.2896,
95.1471

■ 59.4531, 54.0090,
101.8990

■ 70.7347, 68.4094,
104.0840

■ 83.6842, 85.1573,
106.6341

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.



18.7036, 17.6146, 127.0156



29.5247, 17.6146, 96.4516



38.7631, 17.6146, 47.9800

Triad

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



29.5247, 17.6146, 96.4516



25.0008, 17.6146, 0.0000



4.5732, 17.6146, 25.1154

Complementary

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



29.5247, 17.6146, 96.4516



64.4330, 86.1255, 21.2107

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.



5.1966, 17.6146, 5.0867



29.5247, 17.6146, 96.4516



14.9229, 17.6146, 0.0000

Square

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



29.5247, 17.6146, 96.4516



35.5494, 17.6146, 2.1158



8.3123, 17.6146, 0.3188



6.1118, 17.6146, 67.4075

Rectangle

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



29.5247, 17.6146, 96.4516



41.4085, 17.6146, 22.8318



8.3123, 17.6146, 0.3188



4.5479, 17.6146, 15.9387

Sweetspot

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



29.5256, 17.6150, 96.4516



68.1625, 65.1081, 103.5823



45.7369, 57.4283, 103.2819



13.8968, 13.0498, 22.0364



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.



29.5256, 17.6150, 96.4516



24.3583, 12.0686, 95.6534



47.3242, 26.7905, 97.2846



17.4260, 17.5958, 22.7278



10.6289, 4.3899, 49.7217



1.1294, 0.4761, 4.8457

Inverse Universe

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



56.1404, 32.0479, 65.5110



53.1732, 27.7540, 59.4645



46.2052, 76.7288, 20.3576



18.5884, 18.2187, 21.7154



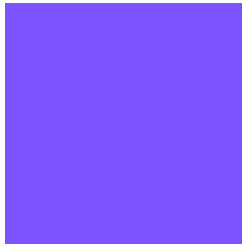
26.5606, 13.1135, 27.4001



2.6296, 1.2942, 2.8970

Previews

White Background



This preview shows how the XYZ color 29.5247, 17.6146, 96.4516 looks on a white background.

Color Contrast Check

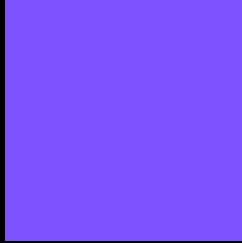
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5247, 17.6146, 96.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

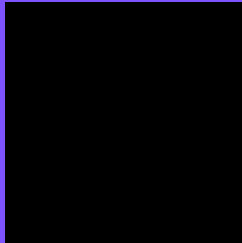
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5247, 17.6146, 96.4516

Background



This preview shows how black text looks on a background with the XYZ color 29.5247, 17.6146, 96.4516.



This preview shows how white text looks on a background with the XYZ color 29.5247, 17.6146,

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

29.5247, 17.6146, 96.4516

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

14.8646, 17.3397, 24.0362

Trichromacy



Original Color

29.5247, 17.6146, 96.4516

Protanomaly

22.0650, 16.3969, 87.5899

Deuteranomaly

19.5555, 16.1937, 71.9070

Tritanomaly

18.4610, 16.4167, 43.2700

Monochromacy



Original Color

29.5247, 17.6146, 96.4516

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.3409, 16.3756, 38.2178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5247, 17.6146, 96.4516 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(125, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 82, 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(125, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.5247, 17.6146, 96.4516 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(125, 82, 255) }
```


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

```
.border{ border-color:rgb(125, 82, 255) }
```

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

Here you see how a box with a 4 pixel rgb(125, 82, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 82,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5247, 17.6146, 96.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 82, 255) }
```

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

```
.background{ background-color: rgb(125, 82,  
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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