

Converting Colors

XYZ(29.6296, 18.0370, 96.5276)

Have a look what the booklet for
XYZ(29.6296, 18.0370, 96.5276)
contains.

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Color

**XYZ(29.6107, 18.0021,
96.5218)**

Conversions

Conversions Part 1

Format	Color
Hex	7C55FF
RGB	124, 85, 255
RGB Percent	49%, 33%, 100%
CMY	0.5137, 0.6667, 0.0000
CMYK	0.51, 0.67, 0.00, 0.00
HSL	254°, 100%, 67%
HSV	254°, 67%, 100%
XYZ	29.6107, 18.0021, 96.5218
YIQ	116.0410, -31.3260, 61.1380

Conversions

Conversions Part 2

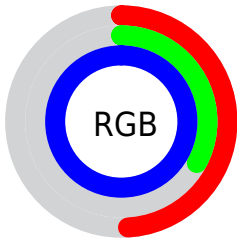
Format	Color
R_{YB}	124, 85, 255
Decimal	8148479
CIE _{Lab}	49.50, 56.63, -79.20
CIE _{LCh}	49, 97.362, 305.568
Yxy	18.0021, 0.2054, 0.1249
Android (android.graphics.Color)	4286338559 (0xFF7C55FF)
YUV	116.0410, 68.5068, 6.9800
Hunter-Lab	42.4289, 50.3229, -105.1791

Details

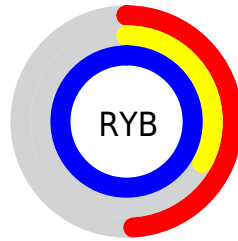
The XYZ color **29.6107, 18.0021, 96.5218** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **65.7168, 86.7739, 21.8797**, and the grayscale version is **16.4176, 17.2726, 18.8098**.

A 20% lighter version of the original color is **47.2454, 35.5504, 98.9796**, and **12.2810, 6.0160, 53.3373** is the 20% darker color. If you saturate the color by 10%, you get **25.3903, 13.3641, 95.8490**, and if you desaturate by 10%, it is **35.1215, 24.3784, 97.4621**.

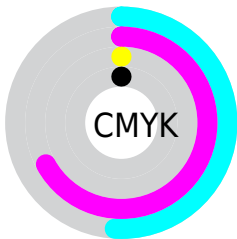
Distribution



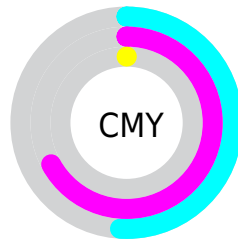
- Red (49%)
- Green (33%)
- Blue (100%)



- Red (49%)
- Yellow (33%)
- Blue (100%)



- Cyan (51%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6107, 18.0021, 96.5218 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 29.6107, 18.0021, 96.5218 by changing the saturation by 10% instead.

■ 29.6107, 18.0021,
96.5218

■ 29.6107, 18.0021,
96.5218

292.0281,
240.8829, 570.1338

■ 19.6899, 10.9515,
72.7984

■ 58.4368, 40.0409,
158.3790

■ 12.2768, 6.0342,
53.3203

■ 78.0729, 55.7979,
197.3498

■ 7.0060, 2.8659,
37.6690

■ 101.6780, 75.2258,
242.2401

■ 3.5122, 1.0621,
25.4261

■ 129.6177, 98.7090,
293.4686

■ 1.4301, 0.0000,
16.1729

■ 162.2571,
126.6319, 351.4536

■ 0.2775, 0.0000,
9.4909

199.9618,

■ 0.0000, 0.0000,

159.3790, 416.6138

4.9616

243.0970,
197.3345, 489.3677

■ 0.0000, 0.0000,
2.1664

■ 0.0000, 0.0000,
0.6549

■ 29.6107, 18.0021,
96.5218

■ 29.6107, 18.0021,
96.5218

■ 25.3903, 13.3641,
95.8490

■ 35.1215, 24.3784,
97.4621

■ 22.3419, 10.2817,
95.4148

■ 42.0208, 32.6470,
98.6945

■ 20.3262, 8.5304,
95.1830

■ 50.3998, 42.9465,
100.2409

■ 19.8247, 8.1349,
95.1331

■ 60.3408, 55.4015,
102.1210

■ 71.9200, 70.1267,
104.3530

■ 85.2084, 87.2288,
106.9536

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.



18.8860, 18.0021, 125.7417



29.6107, 18.0021, 96.5218



38.8174, 18.0021, 48.9374

Triad

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



29.6107, 18.0021, 96.5218



25.5265, 18.0021, 0.0000



4.8472, 18.0021, 24.9428

Complementary

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



29.6107, 18.0021, 96.5218



65.7168, 86.7739, 21.8797

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.



5.5243, 18.0021, 5.2206



29.6107, 18.0021, 96.5218



15.4498, 18.0021, 0.0000

Square

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



29.6107, 18.0021, 96.5218



35.9270, 18.0021, 2.4284



8.7411, 18.0021, 0.4297



6.3726, 18.0021, 66.3504

Rectangle

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



29.6107, 18.0021, 96.5218



41.5235, 18.0021, 23.7861



8.7411, 18.0021, 0.4297



4.8341, 18.0021, 15.9384

Sweetspot

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



29.6116, 18.0026, 96.5219



67.8738, 64.9593, 103.5688



46.9110, 59.3806, 103.5969



13.8287, 13.0146, 22.0332



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.



29.6116, 18.0026, 96.5219



24.2501, 12.1736, 95.6794



46.9841, 26.9584, 97.3349



17.3929, 17.5788, 22.7263



10.4652, 4.3055, 49.7140



1.1093, 0.4658, 4.8447

Inverse Universe

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



56.8824, 32.7146, 68.2780



53.8327, 28.1912, 62.4029



47.0989, 77.1760, 21.0084



18.6039, 18.2249, 21.7971



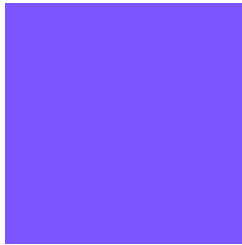
26.8442, 13.2270, 28.8936



2.6551, 1.3044, 3.0312

Previews

White Background



This preview shows how the XYZ color 29.6107, 18.0021, 96.5218 looks on a white background.

Color Contrast Check

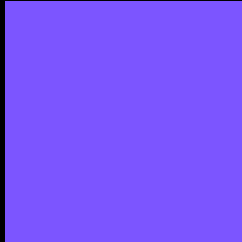
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6107, 18.0021, 96.5218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

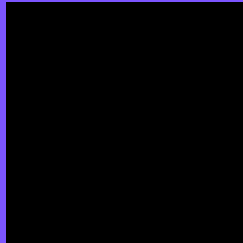
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6107, 18.0021, 96.5218

Background



This preview shows how black text looks on a background with the XYZ color 29.6107, 18.0021, 96.5218.



This preview shows how white text looks on a background with the XYZ color 29.6107, 18.0021,

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

29.6107, 18.0021, 96.5218

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

17.8570, 17.8892, 60.9043



Tritanopia

15.1543, 17.8378, 24.8346

Trichromacy



Original Color

29.6107, 18.0021, 96.5218



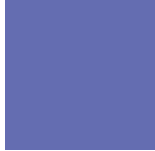
Protanomaly

22.4139, 16.8510, 88.4574



Deuteranomaly

19.7944, 16.4551, 72.6539



Tritanomaly

18.6600, 16.8209, 43.8582

Monochromacy



Original Color

29.6107, 18.0021, 96.5218



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

19.6344, 16.8151, 38.7700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6107, 18.0021, 96.5218 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(124, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 85, 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(124, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.6107, 18.0021, 96.5218 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(124, 85, 255) }
```


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

```
.border{ border-color:rgb(124, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6107, 18.0021, 96.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 85, 255) }
```

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

```
.background{ background-color: rgb(124, 85,  
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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