

Converting Colors

XYZ(27.6219, 18.0662, 74.7048)

Have a look what the booklet for
XYZ(27.6219, 18.0662, 74.7048)
contains.

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Color

**XYZ(27.6746, 18.0926,
74.7067)**

Conversions

Conversions Part 1

Format	Color
Hex	885AE3
RGB	136, 90, 227
RGB Percent	53%, 35%, 89%
CMY	0.4667, 0.6471, 0.1098
CMYK	0.40, 0.60, 0.00, 0.11
HSL	260°, 71%, 62%
HSV	260°, 60%, 89%
XYZ	27.6746, 18.0926, 74.7067
YIQ	119.3720, -16.5610, 52.3590

Conversions

Conversions Part 2

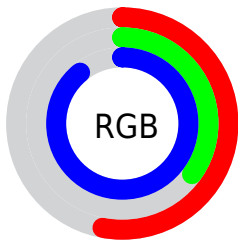
Format	Color
R_{YB}	136, 90, 227
Decimal	8936163
CIE _{Lab}	49.61, 48.60, -63.28
CIE _{LCh}	50, 79.793, 307.527
Yxy	18.0926, 0.2297, 0.1502
Android (android.graphics.Color)	4287126243 (0xFF885AE3)
YUV	119.3720, 53.0606, 14.5828
Hunter-Lab	42.5354, 41.6996, -74.3587

Details

The XYZ color **27.6746, 18.0926, 74.7067** 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 **48.3704, 65.5003, 19.7666**, and the grayscale version is **17.4939, 18.4049, 20.0430**.

A 20% lighter version of the original color is **49.9711, 38.0353, 99.3155**, and **11.2514, 6.0776, 39.1082** is the 20% darker color. If you saturate the color by 10%, you get **23.7651, 13.6559, 74.0568**, and if you desaturate by 10%, it is **32.5147, 23.8769, 75.5685**.

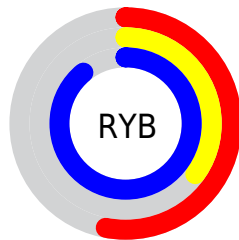
Distribution



Red (53%)

Green (35%)

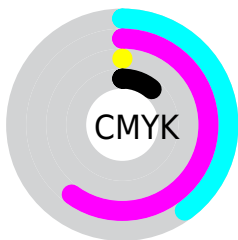
Blue (89%)



Red (53%)

Yellow (35%)

Blue (89%)

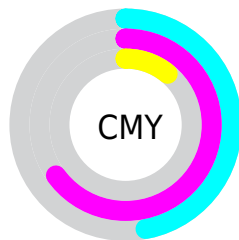


Cyan (40%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6746, 18.0926, 74.7067 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 27.6746, 18.0926, 74.7067 by changing the saturation by 10% instead.

■ 27.6746, 18.0926,
74.7067

■ 27.6746, 18.0926,
74.7067

283.0171,
241.3925, 496.1373

■ 18.2197, 11.0165,
54.8724

■ 55.3768, 40.1951,
127.6404

■ 11.2085, 6.0779,
38.9016

■ 74.3548, 55.9902,
161.5768

■ 6.2756, 2.8925,
26.3760

■ 97.2379, 75.4604,
201.0510

■ 3.0556, 1.0759,
16.8768

■ 124.3914, 98.9902,
246.4815

■ 1.1832, 0.0000,
9.9857

156.1808,
126.9639, 298.2868

■ 0.0931, 0.0000,
5.2840

192.9713,

■ 0.0000, 0.0000,

159.7659, 356.8855

2.3532

235.1283,
197.7806, 422.6962

■ 0.0000, 0.0000,
0.7608

■ 0.0000, 0.0000,
0.0000

■ 27.6746, 18.0926,
74.7067

■ 27.6746, 18.0926,
74.7067

■ 23.7651, 13.6559,
74.0568

■ 32.5147, 23.8769,
75.5685

■ 20.7143, 10.4475,
73.5983

■ 38.3446, 31.1105,
76.6574

■ 18.4420, 8.3286,
73.3091

■ 45.2211, 39.8869,
77.9890

■ 16.8635, 7.0918,
73.1535

■ 53.1956, 50.2912,
79.5769

■ 62.3163, 62.4022,
81.4339

■ 72.6281, 76.2934,
83.5717

■ 84.1734, 92.0341,
86.0014

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.1746, 18.0926, 96.6694



27.6746, 18.0926, 74.7067



34.4595, 18.0926, 40.3183

Triad

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



27.6746, 18.0926, 74.7067



23.3824, 18.0926, 0.8248



6.4258, 18.0926, 25.6807

Complementary

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



27.6746, 18.0926, 74.7067



48.3704, 65.5003, 19.7666

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.



6.9477, 18.0926, 7.6749



27.6746, 18.0926, 74.7067



15.3593, 18.0926, 0.4492

Square

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



27.6746, 18.0926, 74.7067



31.5167, 18.0926, 3.6543



9.7663, 18.0926, 1.6846



8.0428, 18.0926, 57.5679

Rectangle

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



27.6746, 18.0926, 74.7067



36.2243, 18.0926, 21.5540



9.7663, 18.0926, 1.6846



6.3679, 18.0926, 17.9551

Sweetspot

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



27.6754, 18.0932, 74.7072



71.7746, 68.7993, 104.1044



34.6737, 40.9036, 78.7412



14.6586, 13.7975, 22.1405



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.



27.6754, 18.0932, 74.7072



30.0096, 16.7682, 96.2626



42.4692, 25.7197, 75.3995



14.0366, 14.1211, 18.1302



9.9459, 4.1932, 42.6683



0.8309, 0.3593, 3.1575

Inverse Universe

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



43.6753, 26.9797, 46.6208



53.1835, 29.6834, 53.5833



36.1036, 59.1765, 19.1925



14.7786, 14.5286, 17.0346



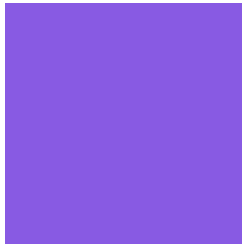
21.7786, 10.8456, 18.2608



1.6522, 0.8186, 1.5749

Previews

White Background



This preview shows how the XYZ color 27.6746, 18.0926, 74.7067 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 27.6746, 18.0926, 74.7067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

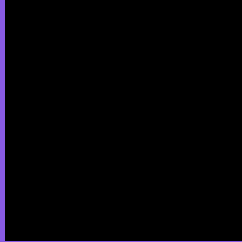
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6746, 18.0926, 74.7067

Background



This preview shows how black text looks on a background with the XYZ color 27.6746, 18.0926, 74.7067.



This preview shows how white text looks on a background with the XYZ color 27.6746, 18.0926,

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

27.6746, 18.0926, 74.7067

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.4743, 18.1361, 64.1549



Tritanopia

17.1193, 17.9999, 22.6507

Trichromacy



Original Color

27.6746, 18.0926, 74.7067



Protanomaly

21.4585, 16.8122, 81.4710



Deuteranomaly

19.2596, 16.6000, 67.8347



Tritanomaly

19.8586, 17.4344, 36.9688

Monochromacy



Original Color

27.6746, 18.0926, 74.7067



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

19.9916, 17.5537, 34.6823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6746, 18.0926, 74.7067 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(136, 90, 227)` looks like.

```
.text, #text, p{  
    color:rgb(136, 90, 227)  
}
```

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(136, 90, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 90, 227) }
```

Border

The CSS property to change the border of an element to XYZ 27.6746, 18.0926, 74.7067 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(136, 90, 227) }
```


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

```
.border{ border-color:rgb(136, 90, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 90, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 90, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 90, 227);  
box-shadow:4px 4px 4px 4px rgb(136, 90,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6746, 18.0926, 74.7067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 90, 227) }
```

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

```
.background{ background-color: rgb(136, 90,  
227) }
```

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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