

Converting Colors

XYZ(28.1839, 19.3020, 76.4103)

Have a look what the booklet for
XYZ(28.1839, 19.3020, 76.4103)
contains.

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Color

**XYZ(28.0904, 19.1931,
76.3528)**

Conversions

Conversions Part 1

Format	Color
Hex	8561E5
RGB	133, 97, 229
RGB Percent	52%, 38%, 90%
CMY	0.4784, 0.6196, 0.1020
CMYK	0.42, 0.58, 0.00, 0.10
HSL	256°, 72%, 64%
HSV	256°, 58%, 90%
XYZ	28.0904, 19.1931, 76.3528
YIQ	122.8120, -20.9160, 48.6840

Conversions

Conversions Part 2

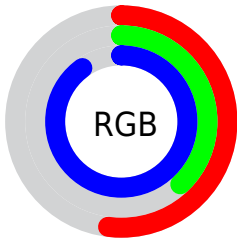
Format	Color
R _Y B	133, 97, 229
Decimal	8741349
CIE Lab	50.91, 44.63, -62.32
CIE LCh	51, 76.655, 305.611
Yxy	19.1931, 0.2272, 0.1552
Android (android.graphics.Color)	4286931429 (0xFF8561E5)
YUV	122.8120, 52.3507, 8.9349
Hunter-Lab	43.8099, 37.7847, -72.6648

Details

The XYZ color **28.0904, 19.1931, 76.3528** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **52.1690, 68.2392, 21.7315**, and the grayscale version is **18.6038, 19.5726, 21.3146**.

A 20% lighter version of the original color is **50.2833, 39.7913, 99.6380**, and **11.5014, 6.6269, 40.2081** is the 20% darker color. If you saturate the color by 10%, you get **23.8476, 14.3053, 75.6334**, and if you desaturate by 10%, it is **33.3624, 25.5181, 77.2962**.

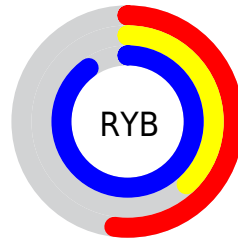
Distribution



Red (52%)

Green (38%)

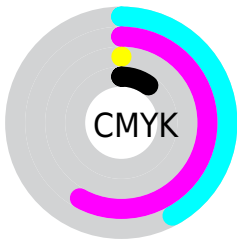
Blue (90%)



Red (52%)

Yellow (38%)

Blue (90%)

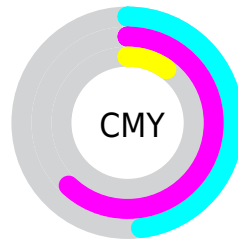


Cyan (42%)

Magenta (58%)

Yellow (0%)

Black (10%)



Cyan (48%)

Magenta (62%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0904, 19.1931, 76.3528 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 28.0904, 19.1931, 76.3528 by changing the saturation by 10% instead.

■ 28.0904, 19.1931,
76.3528

■ 28.0904, 19.1931,
76.3528

284.9709,
247.5127, 501.9335

■ 18.5346, 11.8099,
56.2135

■ 56.0364, 42.0601,
129.9901

■ 11.4365, 6.6144,
39.9689

■ 75.1573, 58.3128,
164.3252

■ 6.4307, 3.2221,
27.2007

■ 98.1973, 78.2906,
204.2293

■ 3.1518, 1.2488,
17.4903

■ 125.5217,
102.3782, 250.1209

■ 1.2345, 0.1010,
10.4190

157.4959,
130.9597, 302.4186

■ 0.1334, 0.0000,
5.5684

194.4853,

■ 0.0000, 0.0000,

164.4198, 361.5409

2.5200

236.8551,
203.1426, 427.9063

■ 0.0000, 0.0000,
0.8507

■ 0.0000, 0.0000,
0.0000

■ 28.0904, 19.1931,
76.3528

■ 28.0904, 19.1931,
76.3528

■ 23.8476, 14.3053,
75.6334

■ 33.3624, 25.5181,
77.2962

■ 20.5575, 10.7345,
75.1176

■ 39.7271, 33.3834,
78.4789

■ 18.1363, 8.3429,
74.7836

■ 47.2454, 42.8845,
79.9165

■ 16.4745, 6.9462,
74.6015

■ 55.9732, 54.1085,
81.6230

■ 16.1585, 6.6962,
74.5699

■ 65.9622, 67.1363,
83.6111

■ 77.2613, 82.0436,
85.8930

■ 89.1779, 97.4242,
88.2337

■ 91.1429, 98.4372,
88.3256

Harmonies

Analogous

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



19.7020, 19.1931, 95.8123



28.0904, 19.1931, 76.3528



34.9554, 19.1931, 43.2502

Triad

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



28.0904, 19.1931, 76.3528



24.9319, 19.1931, 1.2864



7.2581, 19.1931, 25.2417

Complementary

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



28.0904, 19.1931, 76.3528



52.1690, 68.2392, 21.7315

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.



7.9430, 19.1931, 7.9847



28.0904, 19.1931, 76.3528



16.8568, 19.1931, 0.8035

Square

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



28.0904, 19.1931, 76.3528



32.8068, 19.1931, 4.8162



11.0160, 19.1931, 2.0317



8.7884, 19.1931, 55.7492

Rectangle

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



28.0904, 19.1931, 76.3528



36.9279, 19.1931, 24.2504



11.0160, 19.1931, 2.0317



7.2435, 19.1931, 17.8697

Sweetspot

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



28.0913, 19.1937, 76.3533



72.0836, 69.8955, 104.2997



38.3203, 46.6936, 81.1222



14.9160, 14.2965, 22.2233



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.



28.0913, 19.1937, 76.3533



29.6079, 17.3343, 96.3931



41.7594, 26.2399, 76.9929



13.9499, 14.0764, 18.1261



9.3377, 3.8797, 42.6399



0.7773, 0.3317, 3.1550

Inverse Universe

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



46.2135, 29.0580, 53.6240



55.3033, 31.3647, 62.1771



39.0494, 61.4758, 21.1176



14.8186, 14.5446, 17.2450



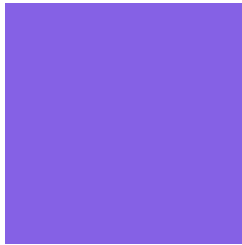
22.4919, 11.1310, 22.0169



1.7006, 0.8379, 1.8298

Previews

White Background



This preview shows how the XYZ color 28.0904, 19.1931, 76.3528 looks on a white 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

Black Background



This preview shows how the XYZ color 28.0904, 19.1931, 76.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

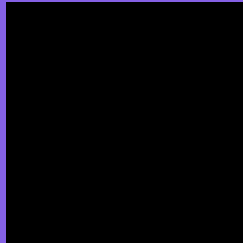
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.0904, 19.1931, 76.3528

Background



This preview shows how black text looks on a background with the XYZ color 28.0904, 19.1931, 76.3528.



This preview shows how white text looks on a background with the XYZ color 28.0904, 19.1931,

76.3528.

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

28.0904, 19.1931, 76.3528

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.7378, 19.2279, 69.0007



Tritanopia

17.7470, 19.1744, 24.9560

Trichromacy



Original Color

28.0904, 19.1931, 76.3528



Protanomaly

22.6720, 18.1311, 85.5238



Deuteranomaly

20.4211, 17.9369, 71.4931



Tritanomaly

20.5564, 18.7133, 39.5744

Monochromacy



Original Color

28.0904, 19.1931, 76.3528



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.2913, 19.1553, 36.7576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0904, 19.1931, 76.3528 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(133, 97, 229)` looks like.

```
.text, #text, p{  
    color:rgb(133, 97, 229)  
}
```

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(133, 97, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 229) }
```

Border

The CSS property to change the border of an element to XYZ 28.0904, 19.1931, 76.3528 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(133, 97, 229) }
```


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

```
.border{ border-color:rgb(133, 97, 229) }
```

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

Here you see how a box with a 4 pixel rgb(133, 97, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 229);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0904, 19.1931, 76.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 229) }
```

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

```
.background{ background-color: rgb(133, 97,  
229) }
```

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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