

Converting Colors

XYZ(27.7018, 19.4910, 92.7458)

Have a look what the booklet for
XYZ(27.7018, 19.4910, 92.7458)
contains.

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Color

**XYZ(27.6991, 19.4862,
92.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	6767FA
RGB	103, 103, 250
RGB Percent	40%, 40%, 98%
CMY	0.5960, 0.5961, 0.0196
CMYK	0.59, 0.59, 0.00, 0.02
HSL	240°, 94%, 69%
HSV	240°, 59%, 98%
XYZ	27.6991, 19.4862, 92.7438
YIQ	119.7580, -47.1870, 45.7170

Conversions

Conversions Part 2

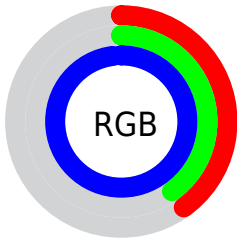
Format	Color
R _Y B	103, 103, 250
Decimal	6776826
CIE Lab	51.25, 41.62, -73.63
CIE LCh	51, 84.584, 299.476
Yxy	19.4862, 0.1980, 0.1393
Android (android.graphics.Color)	4284966906 (0xFF6767FA)
YUV	119.7580, 64.2093, -14.6968
Hunter-Lab	44.1432, 34.7552, -93.6667

Details

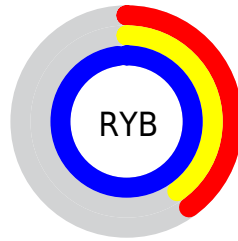
The XYZ color **27.6991, 19.4862, 92.7438** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.0559, 89.6736, 26.1322**, and the grayscale version is **17.5890, 18.5050, 20.1519**.

A 20% lighter version of the original color is **45.1227, 38.3305, 99.6281**, and **11.1972, 6.7726, 50.5863** is the 20% darker color. If you saturate the color by 10%, you get **23.1224, 13.9711, 91.9210**, and if you desaturate by 10%, it is **33.8777, 26.9303, 93.8555**.

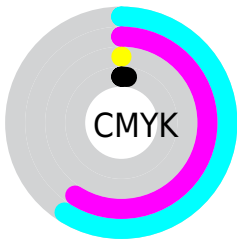
Distribution



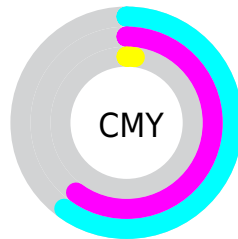
- Red (40%)
- Green (40%)
- Blue (98%)



- Red (40%)
- Yellow (40%)
- Blue (98%)



- Cyan (59%)
- Magenta (59%)
- Yellow (0%)
- Black (2%)





- Cyan (60%)
- Magenta (60%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6991, 19.4862, 92.7438 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 27.6991, 19.4862, 92.7438 by changing the saturation by 10% instead.


 27.6991, 19.4862,
92.7438


 27.6991, 19.4862,
92.7438

283.1325,
249.1199, 557.7152

 18.2383, 12.0221,
69.6721


 55.4157, 42.5541,
153.1125

 11.2219, 6.7587,
50.7841


 74.4021, 58.9266,
191.2466

 6.2847, 3.3117,
35.6613


 97.2945, 79.0375,
235.2385

 3.0612, 1.2965,
23.8851

 124.4582,
103.2710, 285.5069

 1.1862, 0.1385,
15.0370

156.2584,
132.0116, 342.4702

 0.0955, 0.0000,
8.6984

193.0607,

 0.0000, 0.0000,

165.6437, 406.5470

4.4509

235.2302,
204.5517, 478.1558

■ 0.0000, 0.0000,
1.8758

■ 0.0000, 0.0000,
0.4773

■ 27.6991, 19.4862,
92.7438

■ 27.6991, 19.4862,
92.7438

■ 23.1224, 13.9711,
91.9210

■ 33.8777, 26.9303,
93.8555

■ 19.9972, 10.2055,
91.3589

■ 41.7846, 36.4576,
95.2777

■ 18.1499, 7.9797,
91.0266

■ 51.5369, 48.2086,
97.0319

■ 17.3257, 6.9867,
90.8784

■ 63.2409, 62.3112,
99.1371

■ 17.2556, 6.9022,
90.8658

■ 76.9944, 78.8836,
101.6110

■ 92.8891, 98.0359,
104.4700

■ 94.2554, 99.6822,
104.7158

Harmonies

Analogous

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



18.3733, 19.4862, 109.7517



27.6991, 19.4862, 92.7438



36.2917, 19.4862, 54.6164

Triad

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



27.6991, 19.4862, 92.7438



28.0361, 19.4862, 1.0888



6.5792, 19.4862, 20.7956

Complementary

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



27.6991, 19.4862, 92.7438



76.0559, 89.6736, 26.1322

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.



7.7713, 19.4862, 5.2927



27.6991, 19.4862, 92.7438



18.6696, 19.4862, 0.2646

Square

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



27.6991, 19.4862, 92.7438



36.5243, 19.4862, 5.5893



11.6339, 19.4862, 1.0313



7.6885, 19.4862, 53.2474

Rectangle

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



27.6991, 19.4862, 92.7438



39.4715, 19.4862, 30.8777



11.6339, 19.4862, 1.0313



6.7165, 19.4862, 13.8164

Sweetspot

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



27.7001, 19.4867, 92.7443



67.1985, 66.4403, 103.8903



57.0348, 78.1573, 102.5228



13.5631, 13.2327, 22.0893



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.



27.7001, 19.4867, 92.7443



23.3163, 13.5651, 95.9972



40.1236, 25.8913, 93.3257



16.2832, 16.6431, 21.7395



9.1529, 3.6612, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

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



61.5291, 36.9264, 94.3215



61.7340, 33.3703, 97.7875



54.6519, 78.6394, 25.1305



17.9931, 17.5246, 21.8193



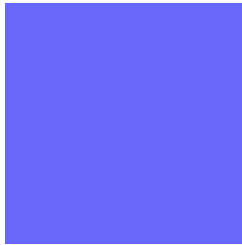
30.0637, 14.4412, 49.1711



2.7844, 1.3375, 4.5542

Previews

White Background



This preview shows how the XYZ color 27.6991, 19.4862, 92.7438 looks on a white background.

Color Contrast Check

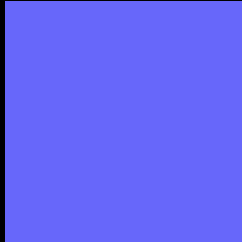
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6991, 19.4862, 92.7438 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 27.6991, 19.4862, 92.7438

Background



This preview shows how black text looks on a background with the XYZ color 27.6991, 19.4862, 92.7438.



This preview shows how white text looks on a background with the XYZ color 27.6991, 19.4862,

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

27.6991, 19.4862, 92.7438

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.4734, 19.3216, 66.9931



Tritanopia

14.8965, 19.3556, 28.9375

Trichromacy



Original Color

27.6991, 19.4862, 92.7438



Protanomaly

23.6560, 18.8212, 92.0086



Deuteranomaly

21.0119, 18.4855, 75.8594



Tritanomaly

18.1049, 18.5080, 46.8741

Monochromacy



Original Color

27.6991, 19.4862, 92.7438



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

19.9318, 18.4021, 39.0606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6991, 19.4862, 92.7438 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(103, 103, 250)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 250)  
}
```

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(103, 103, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 250) }
```

Border

The CSS property to change the border of an element to XYZ 27.6991, 19.4862, 92.7438 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(103, 103, 250) }
```


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

```
.border{ border-color:rgb(103, 103, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 103, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 250);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6991, 19.4862, 92.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 103, 250) }
```

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

```
.background{ background-color: rgb(103,  
103, 250) }
```

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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