

Converting Colors

XYZ(28.2861, 19.5502, 96.8905)

Have a look what the booklet for
XYZ(28.2861, 19.5502, 96.8905)
contains.

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Color

**XYZ(28.2809, 19.5475,
96.8902)**

Conversions

Conversions Part 1

Format	Color
Hex	6666FF
RGB	102, 102, 255
RGB Percent	40%, 40%, 100%
CMY	0.6000, 0.6000, 0.0000
CMYK	0.60, 0.60, 0.00, 0.00
HSL	240°, 100%, 70%
HSV	240°, 60%, 100%
XYZ	28.2809, 19.5475, 96.8902
YIQ	119.4420, -49.1130, 47.5830

Conversions

Conversions Part 2

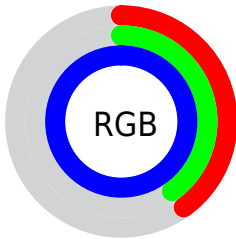
Format	Color
RYB	102, 102, 255
Decimal	6711039
CIELab	51.32, 43.62, -76.30
CIELCh	51, 87.887, 299.758
Yxy	19.5475, 0.1954, 0.1351
Android (android.graphics.Color)	4284901119 (0xFF6666FF)
YUV	119.4420, 66.8301, -15.2966
Hunter-Lab	44.2126, 36.8069, -98.9831

Details

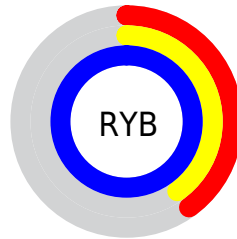
The XYZ color **28.2809, 19.5475, 96.8902** is a light color, and the websafe version is hex **6666FF**, and the color name is **very light blue**. A complement of this color would be **79.3950, 93.7376, 26.4789**, and the grayscale version is **17.4814, 18.3918, 20.0287**.

A 20% lighter version of the original color is **44.9583, 38.0018, 99.5733**, and **11.5444, 6.8152, 53.5303** is the 20% darker color. If you saturate the color by 10%, you get **23.6902, 14.0155, 96.0644**, and if you desaturate by 10%, it is **34.5322, 27.0792, 98.0145**.

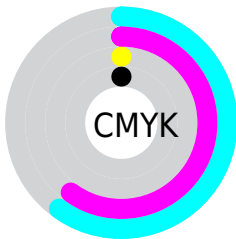
Distribution



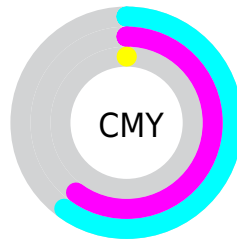
- Red (40%)
- Green (40%)
- Blue (100%)



- Red (40%)
- Yellow (40%)
- Blue (100%)



- Cyan (60%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2809, 19.5475, 96.8902 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 28.2809, 19.5475, 96.8902 by changing the saturation by 10% instead.

■ 28.2809, 19.5475,
96.8902

■ 28.2809, 19.5475,
96.8902

285.8625,
249.4548, 571.3369

■ 18.6790, 12.0666,
73.1036

■ 56.3381, 42.6572,
158.8914

■ 11.5412, 6.7890,
53.5684

■ 75.5242, 59.0548,
197.9431

■ 6.5021, 3.3305,
37.8659

■ 98.6357, 79.1933,
242.9203

■ 3.1962, 1.3066,
25.5776

■ 126.0380,
103.4573, 294.2414

■ 1.2584, 0.1463,
16.2850

158.0965,
132.2310, 352.3251

■ 0.1517, 0.0000,
9.5695

195.1765,

■ 0.0000, 0.0000,

165.8989, 417.5899

5.0126

237.6434,
204.8454, 490.4543

■ 0.0000, 0.0000,
2.1958

■ 0.0000, 0.0000,
0.6719

■ 28.2809, 19.5475,
96.8902

■ 28.2809, 19.5475,
96.8902

■ 23.6902, 14.0155,
96.0644

■ 34.5322, 27.0792,
98.0145

■ 20.5996, 10.2917,
95.5085

■ 42.5791, 36.7753,
99.4619

■ 18.8221, 8.1501,
95.1888

■ 52.5460, 48.7848,
101.2547

■ 18.0502, 7.2201,
95.0500

■ 64.5454, 63.2434,
103.4130

■ 78.6811, 80.2762,
105.9557

95.0499, 99.9998,
108.9000

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.



18.5081, 19.5475, 115.4771



28.2809, 19.5475, 96.8902



37.3121, 19.5475, 56.1009

Triad

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



28.2809, 19.5475, 96.8902



28.4447, 19.5475, 0.8781



6.2946, 19.5475, 21.0803

Complementary

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



28.2809, 19.5475, 96.8902



79.3950, 93.7376, 26.4789

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.



7.4784, 19.5475, 5.0393



28.2809, 19.5475, 96.8902



18.6507, 19.5475, 0.0419

Square

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



28.2809, 19.5475, 96.8902



37.4257, 19.5475, 5.1759



11.3969, 19.5475, 0.8521



7.4396, 19.5475, 55.4285

Rectangle

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



28.2809, 19.5475, 96.8902



40.6350, 19.5475, 31.0897



11.3969, 19.5475, 0.8521



6.4262, 19.5475, 13.7928

Sweetspot

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



28.2818, 19.5480, 96.8903



67.1986, 66.4403, 103.8903



59.2895, 81.5648, 107.2264



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.



28.2818, 19.5480, 96.8903



22.9575, 13.1327, 95.9326



41.2764, 26.2469, 97.4984



17.0032, 17.3779, 22.7080



9.4317, 3.7727, 49.6657



0.9184, 0.3673, 4.8358

Inverse Universe

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



64.0399, 37.9821, 98.5563



61.5671, 33.0368, 97.7306



56.6333, 82.0035, 25.4137



18.7927, 18.3004, 22.7915



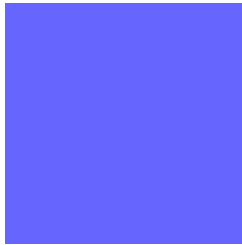
30.9791, 14.8809, 50.6677



3.0163, 1.4489, 4.9334

Previews

White Background



This preview shows how the XYZ color 28.2809, 19.5475, 96.8902 looks on a white background.

Color Contrast Check

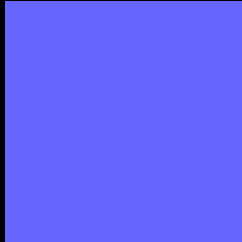
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2809, 19.5475, 96.8902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

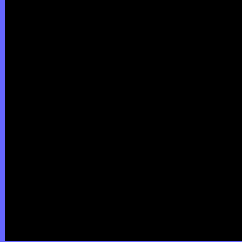
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2809, 19.5475, 96.8902

Background



This preview shows how black text looks on a background with the XYZ color 28.2809, 19.5475, 96.8902.



This preview shows how white text looks on a background with the XYZ color 28.2809, 19.5475,

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

28.2809, 19.5475, 96.8902

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.5994, 19.5735, 67.0351



Tritanopia

14.7868, 19.4925, 29.3686

Trichromacy



Original Color

28.2809, 19.5475, 96.8902

Protanomaly

23.9697, 18.9467, 93.6605

Deuteranomaly

21.4072, 18.8291, 77.3690

Tritanomaly

18.1371, 18.6819, 47.9974

Monochromacy



Original Color

28.2809, 19.5475, 96.8902

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.7831, 18.1481, 39.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2809, 19.5475, 96.8902 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(102, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 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(102, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.2809, 19.5475, 96.8902 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(102, 102, 255) }
```


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

```
.border{ border-color:rgb(102, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2809, 19.5475, 96.8902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 255) }
```

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

```
.background{ background-color: rgb(102,  
102, 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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