

Converting Colors

XYZ(28.3702, 19.5936, 96.8944)

Have a look what the booklet for
XYZ(28.3702, 19.5936, 96.8944)
contains.

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Color

**XYZ(28.3949, 19.6063,
96.8956)**

Conversions

Conversions Part 1

Format	Color
Hex	6766FF
RGB	103, 102, 255
RGB Percent	40%, 40%, 100%
CMY	0.5960, 0.6000, 0.0000
CMYK	0.60, 0.60, 0.00, 0.00
HSL	240°, 100%, 70%
HSV	240°, 60%, 100%
XYZ	28.3949, 19.6063, 96.8956
YIQ	119.7410, -48.5170, 47.7950

Conversions

Conversions Part 2

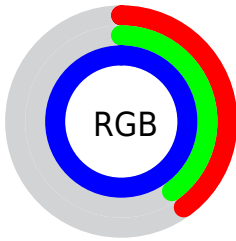
Format	Color
R_{YB}	103, 102, 255
Decimal	6776575
CIE _{Lab}	51.39, 43.78, -76.19
CIE _{LCh}	51, 87.868, 299.883
Yxy	19.6063, 0.1960, 0.1353
Android (android.graphics.Color)	4284966655 (0xFF6766FF)
YUV	119.7410, 66.6827, -14.6819
Hunter-Lab	44.2790, 36.9789, -98.7488

Details

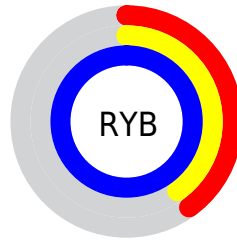
The XYZ color **28.3949, 19.6063, 96.8956** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.0284, 93.5486, 26.4618**, and the grayscale version is **17.5763, 18.4916, 20.1374**.

A 20% lighter version of the original color is **45.1671, 38.1095, 99.5830**, and **11.6102, 6.8492, 53.5334** is the 20% darker color. If you saturate the color by 10%, you get **23.7844, 14.0641, 96.0688**, and if you desaturate by 10%, it is **34.6574, 27.1438, 98.0204**.

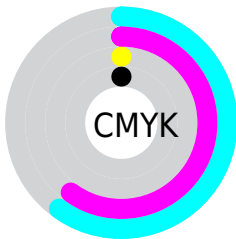
Distribution



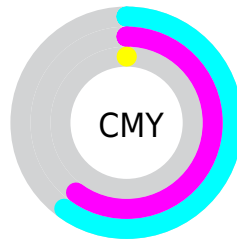
- Red (40%)
- Green (40%)
- Blue (100%)



- 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 28.3949, 19.6063, 96.8956 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 28.3949, 19.6063, 96.8956 by changing the saturation by 10% instead.

■ 28.3949, 19.6063,
96.8956

■ 28.3949, 19.6063,
96.8956

286.3951,
249.7757, 571.3545

■ 18.7655, 12.1092,
73.1081

■ 56.5185, 42.7561,
158.8989

■ 11.6040, 6.8181,
53.5720

■ 75.7435, 59.1776,
197.9518

■ 6.5449, 3.3486,
37.8687

■ 98.8978, 79.3427,
242.9302

■ 3.2229, 1.3163,
25.5798

■ 126.3466,
103.6358, 294.2527

■ 1.2727, 0.1538,
16.2866

158.4554,
132.4412, 352.3379

■ 0.1627, 0.0000,
9.5706

195.5895,

■ 0.0000, 0.0000,

166.1434, 417.6042

5.0134

238.1143,
205.1268, 490.4702

■ 0.0000, 0.0000,
2.1962

■ 0.0000, 0.0000,
0.6722

■ 28.3949, 19.6063,
96.8956

■ 28.3949, 19.6063,
96.8956

■ 23.7844, 14.0641,
96.0688

■ 34.6574, 27.1438,
98.0204

■ 20.6678, 10.3269,
95.5117

■ 42.7053, 36.8404,
99.4678

■ 18.8607, 8.1700,
95.1906

■ 52.6614, 48.8443,
101.2601

■ 18.0710, 7.2308,
95.0510

■ 64.6369, 63.2907,
103.4173

■ 18.0710, 7.2308,
95.0510

■ 78.7346, 80.3039,
105.9582

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.



18.6008, 19.6063, 115.6425



28.3949, 19.6063, 96.8956



37.4255, 19.6063, 56.0380

Triad

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



28.3949, 19.6063, 96.8956



28.4739, 19.6063, 0.8806



6.3236, 19.6063, 21.2495

Complementary

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



28.3949, 19.6063, 96.8956



79.0284, 93.5486, 26.4618

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.



7.5005, 19.6063, 5.1011



28.3949, 19.6063, 96.8956



18.6696, 19.6063, 0.0513

Square

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



28.3949, 19.6063, 96.8956



37.4803, 19.6063, 5.1671



11.4154, 19.6063, 0.8681



7.4818, 19.6063, 55.7138

Rectangle

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



28.3949, 19.6063, 96.8956



40.7339, 19.6063, 31.0355



11.4154, 19.6063, 0.8681



6.4524, 19.6063, 13.9206

Sweetspot

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



28.3958, 19.6068, 96.8956



67.2835, 66.4841, 103.8942



59.2895, 81.5648, 107.2264



13.5833, 13.2431, 22.0902



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.



28.3958, 19.6068, 96.8956



23.0469, 13.1788, 95.9368



41.2764, 26.2470, 97.4984



17.0141, 17.3835, 22.7086



9.4473, 3.7807, 49.6664



0.9236, 0.3700, 4.8360

Inverse Universe

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



63.8795, 37.9180, 97.7113



61.3746, 32.9599, 96.7172



56.6333, 82.0035, 25.4138



18.7873, 18.2982, 22.7628



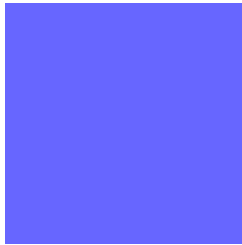
30.8420, 14.8261, 49.9457



3.0046, 1.4442, 4.8715

Previews

White Background



This preview shows how the XYZ color 28.3949, 19.6063, 96.8956 looks on a white background.

Color Contrast Check

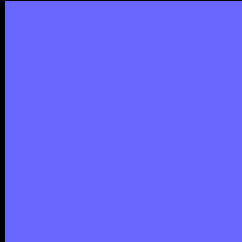
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3949, 19.6063, 96.8956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

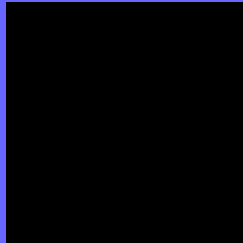
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3949, 19.6063, 96.8956

Background



This preview shows how black text looks on a background with the XYZ color 28.3949, 19.6063, 96.8956.

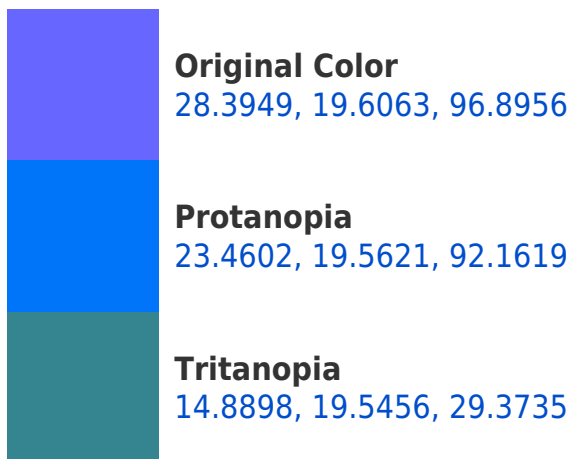


This preview shows how white text looks on a background with the XYZ color 28.3949, 19.6063,

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



Trichromacy



Original Color

28.3949, 19.6063, 96.8956

Protanomaly

23.9697, 18.9467, 93.6605

Tritanomaly

18.2098, 18.7194, 48.0008

Monochromacy



Original Color

28.3949, 19.6063, 96.8956

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.0060, 18.2522, 40.0047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3949, 19.6063, 96.8956 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.3949, 19.6063, 96.8956 is called "border". The border property can be set on classes, ids or directly on the HTML element.

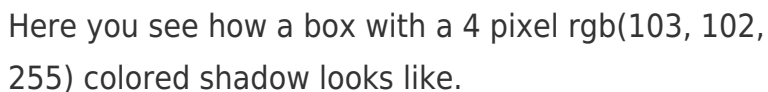
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 102, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 28.3949, 19.6063, 96.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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