

Converting Colors

XYZ(29.3959, 19.7552, 96.8716)

Have a look what the booklet for
XYZ(29.3959, 19.7552, 96.8716)
contains.

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Color

**XYZ(29.3219, 19.6544,
96.8560)**

Conversions

Conversions Part 1

Format	Color
Hex	7163FF
RGB	113, 99, 255
RGB Percent	44%, 39%, 100%
CMY	0.5568, 0.6118, 0.0000
CMYK	0.56, 0.61, 0.00, 0.00
HSL	245°, 100%, 69%
HSV	245°, 61%, 100%
XYZ	29.3219, 19.6544, 96.8560
YIQ	120.9700, -41.7320, 51.4840

Conversions

Conversions Part 2

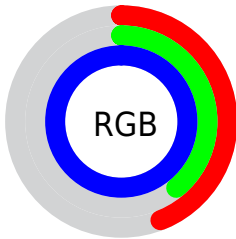
Format	Color
R _Y B	113, 99, 255
Decimal	7431167
CIE Lab	51.44, 47.14, -76.06
CIE LCh	51, 89.487, 301.788
Yxy	19.6544, 0.2011, 0.1348
Android (android.graphics.Color)	4285621247 (0xFF7163FF)
YUV	120.9700, 66.0768, -6.9897
Hunter-Lab	44.3333, 40.4761, -98.4990

Details

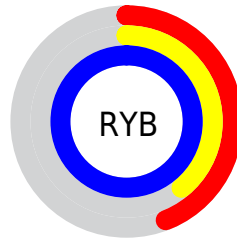
The XYZ color **29.3219, 19.6544, 96.8560** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.2855, 91.1204, 25.4772**, and the grayscale version is **17.9684, 18.9042, 20.5866**.

A 20% lighter version of the original color is **46.7958, 38.4672, 99.5662**, and **12.0986, 6.8302, 53.5040** is the 20% darker color. If you saturate the color by 10%, you get **24.6622, 14.2146, 96.0516**, and if you desaturate by 10%, it is **35.5092, 27.0135, 97.9503**.

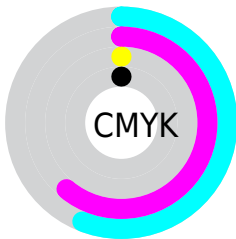
Distribution



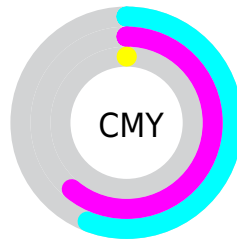
- Red (44%)
- Green (39%)
- Blue (100%)



- Red (44%)
- Yellow (39%)
- Blue (100%)



- Cyan (56%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3219, 19.6544, 96.8560 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 29.3219, 19.6544, 96.8560 by changing the saturation by 10% instead.

■ 29.3219, 19.6544,
96.8560

■ 29.3219, 19.6544,
96.8560

290.6976,
250.0380, 571.2253

■ 19.4700, 12.1441,
73.0753

■ 57.9822, 42.8370,
158.8438

■ 12.1164, 6.8419,
53.5453

■ 77.5212, 59.2781,
197.8880

■ 6.8957, 3.3634,
37.8476

■ 101.0200, 79.4648,
242.8571

■ 3.4427, 1.3243,
25.5635

■ 128.8439,
103.7817, 294.1697

■ 1.3920, 0.1599,
16.2745

161.3582,
132.6130, 352.2443

■ 0.2505, 0.0000,
9.5622

198.9284,

■ 0.0000, 0.0000,

166.3433, 417.4993

5.0079

241.9198,
205.3568, 490.3535

■ 0.0000, 0.0000,
2.1931

■ 0.0000, 0.0000,
0.6704

■ 29.3219, 19.6544,
96.8560

■ 29.3219, 19.6544,
96.8560

■ 24.6622, 14.2146,
96.0516

■ 35.5092, 27.0135,
97.9503

■ 21.3934, 10.5126,
95.5093

■ 43.3395, 36.4475,
99.3586

■ 19.3587, 8.3349,
95.1962

■ 52.9200, 48.0980,
101.1024

■ 18.4010, 7.4009,
95.0664

■ 64.3483, 62.0936,
103.2015

■ 77.7146, 78.5530,
105.6740

■ 93.1031, 97.5868,
108.5368

■ 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.



19.2245, 19.6544, 118.5061



29.3219, 19.6544, 96.8560



38.3794, 19.6544, 54.2834

Triad

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



29.3219, 19.6544, 96.8560



28.0804, 19.6544, 0.6880



6.1991, 19.6544, 22.9795

Complementary

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



29.3219, 19.6544, 96.8560



74.2855, 91.1204, 25.4772

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.



7.2297, 19.6544, 5.5108



29.3219, 19.6544, 96.8560



18.1477, 19.6544, 0.0000

Square

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



29.3219, 19.6544, 96.8560



37.5159, 19.6544, 4.4990



10.9872, 19.6544, 0.8832



7.5194, 19.6544, 59.4035

Rectangle

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



29.3219, 19.6544, 96.8560



41.4857, 19.6544, 29.2611



10.9872, 19.6544, 0.8832



6.2802, 19.6544, 15.0908

Sweetspot

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



29.3228, 19.6549, 96.8560



68.3798, 67.0493, 103.9455



54.9478, 73.3769, 105.8749



13.8440, 13.3775, 22.1024



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.



29.3228, 19.6549, 96.8560



23.9666, 13.4156, 95.9340



43.7471, 27.0909, 97.5311



17.1542, 17.4557, 22.7151



9.6658, 3.8934, 49.6766



0.9900, 0.4043, 4.8391

Inverse Universe

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



61.5780, 36.5342, 87.0201



58.8336, 31.6877, 84.1250



53.3220, 80.3134, 24.4961



18.7182, 18.2706, 22.3991



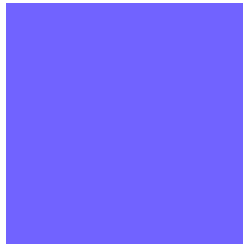
29.1964, 14.1679, 41.2803



2.8625, 1.3874, 4.1234

Previews

White Background



This preview shows how the XYZ color 29.3219, 19.6544, 96.8560 looks on a white background.

Color Contrast Check

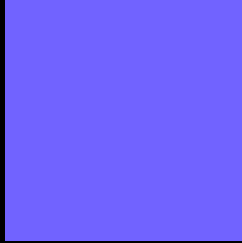
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3219, 19.6544, 96.8560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

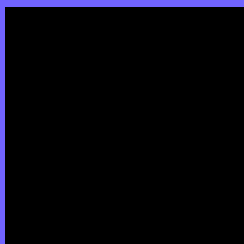
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3219, 19.6544, 96.8560

Background



This preview shows how black text looks on a background with the XYZ color 29.3219, 19.6544, 96.8560.

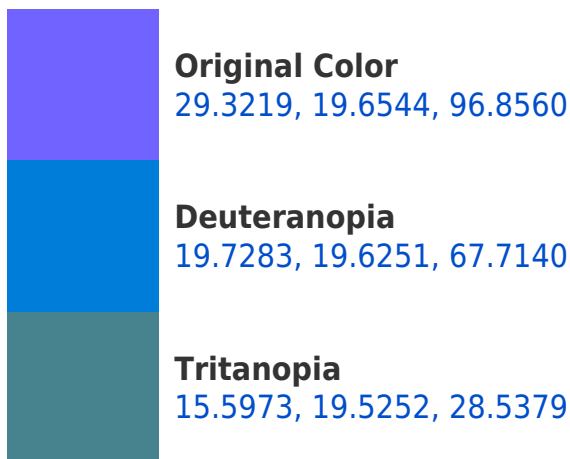


This preview shows how white text looks on a background with the XYZ color 29.3219, 19.6544,

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

29.3219, 19.6544, 96.8560



Deuteranomaly

21.4428, 18.6754, 77.3375



Tritanomaly

18.9818, 18.5910, 47.3877

Monochromacy



Original Color

29.3219, 19.6544, 96.8560



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

20.6320, 18.5641, 40.5260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3219, 19.6544, 96.8560 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(113, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 99, 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(113, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.3219, 19.6544, 96.8560 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(113, 99, 255) }
```

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

```
.border{ border-color:rgb(113, 99, 255) }
```

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

Here you see how a box with a 4 pixel rgb(113, 99, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 99,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 29.3219, 19.6544, 96.8560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 99, 255) }
```

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

```
.background{ background-color: rgb(113, 99,  
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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