

Converting Colors

XYZ(29.6728, 23.5616, 96.7499)

Have a look what the booklet for
XYZ(29.6728, 23.5616, 96.7499)
contains.

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Color

**XYZ(29.6728, 23.5616,
96.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	607AFE
RGB	96, 122, 254
RGB Percent	38%, 48%, 100%
CMY	0.6235, 0.5216, 0.0039
CMYK	0.62, 0.52, 0.00, 0.00
HSL	230°, 99%, 69%
HSV	230°, 62%, 100%
XYZ	29.6728, 23.5616, 96.7499
YIQ	129.2740, -57.8680, 35.5400

Conversions

Conversions Part 2

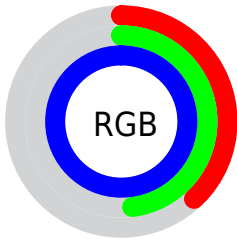
Format	Color
R _Y B	96, 118, 254
Decimal	6322942
CIE Lab	55.65, 30.37, -68.75
CIE LCh	56, 75.158, 293.834
Yxy	23.5616, 0.1978, 0.1571
Android (android.graphics.Color)	4284513022 (0xFF607AFE)
YUV	129.2740, 61.4899, -29.1813
Hunter-Lab	48.5403, 24.1720, -84.1979

Details

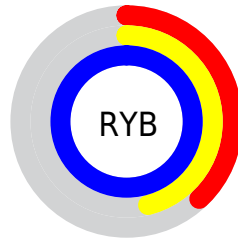
The XYZ color **29.6728, 23.5616, 96.7499** is a light color, and the websafe version is hex **3366FF**. A complement of this color would be **70.7309, 77.4073, 22.2816**, and the grayscale version is **20.7691, 21.8507, 23.7955**.

A 20% lighter version of the original color is **47.4841, 44.8630, 100.7645**, and **12.4126, 8.8831, 53.2849** is the 20% darker color. If you saturate the color by 10%, you get **25.0917, 17.7452, 95.8692**, and if you desaturate by 10%, it is **35.6879, 30.9620, 97.8618**.

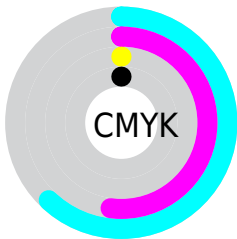
Distribution



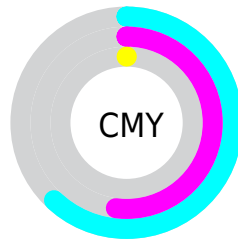
- Red (38%)
- Green (48%)
- Blue (100%)



- Red (38%)
- Yellow (46%)
- Blue (100%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6728, 23.5616, 96.7499 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 29.6728, 23.5616, 96.7499 by changing the saturation by 10% instead.

■ 29.6728, 23.5616,
96.7499

■ 29.6728, 23.5616,
96.7499

292.3136,
270.5965, 570.8789

■ 19.7372, 15.0087,
72.9874

■ 58.5345, 49.3138,
158.6963

■ 12.3113, 8.8255,
53.4739

■ 78.1914, 67.2820,
197.7172

■ 7.0298, 4.6275,
37.7909

■ 101.8194, 89.1574,
242.6613

■ 3.5272, 2.0304,
25.5199

129.7838,
115.3244, 293.9472

■ 1.4383, 0.6251,
16.2423

162.4501,
146.1674, 351.9933

■ 0.2833, 0.0000,
9.5395

200.1836,

■ 0.0000, 0.0000,

182.0709, 417.2183

4.9932

243.3496,
223.4191, 490.0406

■ 0.0000, 0.0000,
2.1846

■ 0.0000, 0.0000,
0.6654

■ 29.6728, 23.5616,
96.7499

■ 29.6728, 23.5616,
96.7499

■ 25.0917, 17.7452,
95.8692

■ 35.6879, 30.9620,
97.8618

■ 21.8173, 13.3912,
95.2014

■ 43.2428, 40.0511,
99.2180

■ 19.7042, 10.3627,
94.7282

■ 52.4370, 50.9269,
100.8327

■ 18.7099, 8.7966,
94.4783

■ 63.3605, 63.6790,
102.7184

■ 76.0967, 78.3913,
104.8868

■ 90.7236, 95.1421,
107.3491

94.8895, 99.9358,
108.0549

Harmonies

Analogous

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



20.6839, 23.5616, 106.0521



29.6728, 23.5616, 96.7499



38.3581, 23.5616, 64.3982

Triad

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



29.6728, 23.5616, 96.7499



33.4957, 23.5616, 3.3793



9.7546, 23.5616, 20.9464

Complementary

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



29.6728, 23.5616, 96.7499



70.7309, 77.4073, 22.2816

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.



11.6182, 23.5616, 6.7551



29.6728, 23.5616, 96.7499



24.1971, 23.5616, 1.5821

Square

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



29.6728, 23.5616, 96.7499



40.9276, 23.5616, 11.0032



16.4159, 23.5616, 2.2372



10.5207, 23.5616, 49.6104

Rectangle

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



29.6728, 23.5616, 96.7499



42.0557, 23.5616, 41.0256



16.4159, 23.5616, 2.2372



10.0752, 23.5616, 14.7008

Sweetspot

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



29.6739, 23.5623, 96.7505



67.8351, 68.7778, 104.3079



54.2245, 78.9544, 85.5397



13.7695, 13.8522, 22.1980



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.



29.6739, 23.5623, 96.7505



24.2596, 16.5245, 96.5187



34.4080, 21.8819, 96.1767



17.2444, 17.8604, 22.7885



9.9337, 4.7770, 49.8331



1.0322, 0.5951, 4.8737

Inverse Universe

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



48.5699, 30.8435, 21.8060



45.1346, 25.7288, 13.4647



61.7318, 84.1930, 24.0657



18.1312, 18.0358, 19.3083



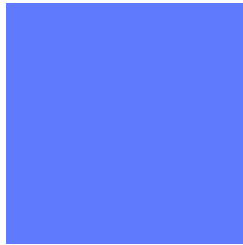
21.8023, 11.2102, 2.3432



2.1556, 1.1046, 0.4009

Previews

White Background



This preview shows how the XYZ color 29.6728, 23.5616, 96.7499 looks on a white background.

Color Contrast Check

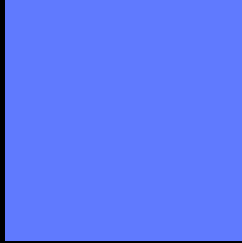
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6728, 23.5616, 96.7499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

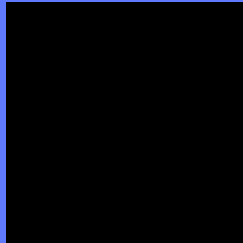
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6728, 23.5616, 96.7499

Background



This preview shows how black text looks on a background with the XYZ color 29.6728, 23.5616, 96.7499.



This preview shows how white text looks on a background with the XYZ color 29.6728, 23.5616,

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

29.6728, 23.5616, 96.7499

Protanopia

27.5728, 23.5881, 97.7075

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

17.5326, 23.5843, 35.9759

Trichromacy



Original Color

29.6728, 23.5616, 96.7499

Protanomaly

28.1833, 23.5194, 97.6620

Deuteranomaly

24.8534, 22.7937, 87.8837

Tritanomaly

20.6857, 22.8316, 53.7688

Monochromacy



Original Color

29.6728, 23.5616, 96.7499

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.4370, 21.7596, 43.0619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6728, 23.5616, 96.7499 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(96, 122, 254)` looks like.

```
.text, #text, p{  
    color:rgb(96, 122, 254)  
}
```

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(96, 122, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 122, 254) }
```

Border

The CSS property to change the border of an element to XYZ 29.6728, 23.5616, 96.7499 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(96, 122, 254) }
```


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

```
.border{ border-color:rgb(96, 122, 254) }
```

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

Here you see how a box with a 4 pixel rgb(96, 122, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 122, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 122, 254);  
box-shadow:4px 4px 4px 4px rgb(96, 122,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6728, 23.5616, 96.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 122, 254) }
```

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

```
.background{ background-color: rgb(96, 122,  
254) }
```

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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