

Converting Colors

XYZ(29.6905, 27.9449, 90.0564)

Have a look what the booklet for
XYZ(29.6905, 27.9449, 90.0564)
contains.

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Color

**XYZ(29.7836, 28.0313,
90.2270)**

Conversions

Conversions Part 1

Format	Color
Hex	528FF5
RGB	82, 143, 245
RGB Percent	32%, 56%, 96%
CMY	0.6784, 0.4392, 0.0392
CMYK	0.67, 0.42, 0.00, 0.04
HSL	218°, 89%, 64%
HSV	218°, 67%, 96%
XYZ	29.7836, 28.0313, 90.2270
YIQ	136.3890, -69.0980, 18.7900

Conversions

Conversions Part 2

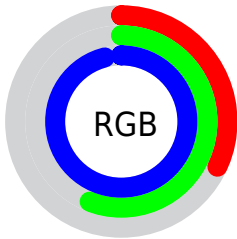
Format	Color
R _Y B	82, 126, 245
Decimal	5410805
CIE Lab	59.92, 12.38, -56.96
CIE LCh	60, 58.294, 282.265
Yxy	28.0313, 0.2012, 0.1893
Android (android.graphics.Color)	4283600885 (0xFF528FF5)
YUV	136.3890, 53.5452, -47.6992
Hunter-Lab	52.9446, 7.7609, -63.9795

Details

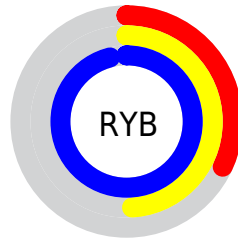
The XYZ color **29.7836, 28.0313, 90.2270** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **56.3224, 54.3072, 15.4986**, and the grayscale version is **23.3730, 24.5902, 26.7787**.

A 20% lighter version of the original color is **49.6440, 52.8108, 102.1847**, and **12.9915, 11.4595, 49.1041** is the 20% darker color. If you saturate the color by 10%, you get **25.8742, 22.8297, 89.4297**, and if you desaturate by 10%, it is **34.7701, 34.2558, 91.1662**.

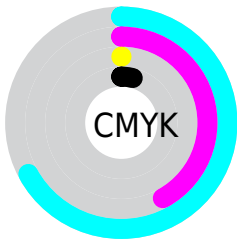
Distribution



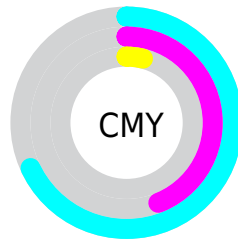
- Red (32%)
- Green (56%)
- Blue (96%)



- Red (32%)
- Yellow (49%)
- Blue (96%)



- Cyan (67%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)



- Cyan (68%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7836, 28.0313, 90.2270 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 29.7836, 28.0313, 90.2270 by changing the saturation by 10% instead.

■ 29.7836, 28.0313,
90.2270

■ 29.7836, 28.0313,
90.2270

292.8224,
292.6164, 549.3581

■ 19.8216, 18.3493,
67.5942

■ 58.7088, 56.5344,
149.5919

■ 12.3730, 11.2010,
49.1030

■ 78.4027, 76.1243,
187.1611

■ 7.0722, 6.2022,
34.3350

■ 102.0713, 99.7855,
230.5462

■ 3.5540, 2.9684,
22.8716

■ 130.0800,
127.9025, 280.1656

■ 1.4531, 1.1153,
14.2944

162.7941,
160.8598, 336.4380

■ 0.2936, 0.0000,
8.1846

200.5790,

■ 0.0000, 0.0000,

199.0416, 399.7818

4.1238

243.8000,
242.8323, 470.6157

■ 0.0000, 0.0000,
1.6935

■ 0.0000, 0.0000,
0.3563

■ 29.7836, 28.0313,
90.2270

■ 29.7836, 28.0313,
90.2270

■ 25.8742, 22.8297,
89.4297

■ 34.7701, 34.2558,
91.1662

■ 22.9405, 18.5789,
88.7638

■ 40.9148, 41.5618,
92.2526

■ 20.8632, 15.1978,
88.2207

■ 48.2945, 50.0060,
93.4935

■ 20.2809, 14.1914,
88.0571

■ 56.9778, 59.6399,
94.8954

■ 67.0283, 70.5115,
96.4641

■ 78.5048, 82.6658,
98.2053

■ 91.4630, 96.1456,
100.1241

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



22.5366, 28.0313, 88.1681



29.7836, 28.0313, 90.2270



37.4126, 28.0313, 71.7386

Triad

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



29.7836, 28.0313, 90.2270



38.6305, 28.0313, 10.4899



15.2518, 28.0313, 19.7084

Complementary

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



29.7836, 28.0313, 90.2270



56.3224, 54.3072, 15.4986

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.



18.1680, 28.0313, 9.1967



29.7836, 28.0313, 90.2270



31.2199, 28.0313, 5.8268

Square

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



29.7836, 28.0313, 90.2270



43.1194, 28.0313, 22.6523



23.7312, 28.0313, 5.4992



15.0106, 28.0313, 40.0295

Rectangle

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



29.7836, 28.0313, 90.2270



41.3375, 28.0313, 53.7044



23.7312, 28.0313, 5.4992



15.9227, 28.0313, 15.2051

Sweetspot

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



29.7848, 28.0322, 90.2277



69.3620, 72.8777, 105.0188



44.6307, 70.4986, 55.7942



14.1822, 14.8805, 22.3747



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.



29.7848, 28.0322, 90.2277



27.0481, 23.1896, 97.6582



24.8694, 15.3970, 88.0480



16.0892, 16.9426, 20.9648



11.0476, 7.8891, 47.4785



1.0663, 0.8839, 4.2047

Inverse Universe

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



45.6325, 27.4320, 28.8768



46.2766, 25.1687, 22.6128



65.5354, 82.0810, 20.3739



16.7556, 16.5851, 18.4595



21.3809, 10.8958, 6.7139



1.9273, 0.9769, 0.8433

Previews

White Background



This preview shows how the XYZ color 29.7836, 28.0313, 90.2270 looks on a white background.

Color Contrast Check

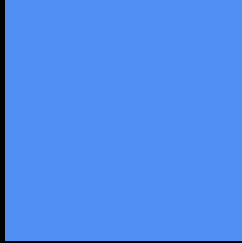
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7836, 28.0313, 90.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

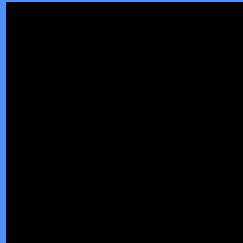
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

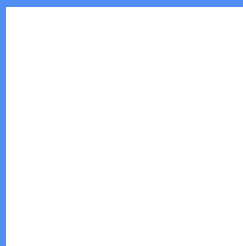
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7836, 28.0313, 90.2270

Background



This preview shows how black text looks on a background with the XYZ color 29.7836, 28.0313, 90.2270.



This preview shows how white text looks on a background with the XYZ color 29.7836, 28.0313,

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

29.7836, 28.0313, 90.2270

Protanopia

30.6606, 27.8763, 87.7691

Deuteranopia

29.0611, 28.1086, 90.2800



Tritanopia

20.4096, 28.0661, 43.3713

Trichromacy



Original Color

29.7836, 28.0313, 90.2270

Protanomaly

30.2167, 27.8480, 88.5766

Deuteranomaly

29.2787, 27.9949, 90.2466

Tritanomaly

23.0154, 27.5841, 58.1441

Monochromacy



Original Color

29.7836, 28.0313, 90.2270

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.2716, 25.3128, 44.6809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7836, 28.0313, 90.2270 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(82, 143, 245)` looks like.

```
.text, #text, p{  
    color:rgb(82, 143, 245)  
}
```

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(82, 143, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 143, 245) }
```

Border

The CSS property to change the border of an element to XYZ 29.7836, 28.0313, 90.2270 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(82, 143, 245) }
```


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

```
.border{ border-color:rgb(82, 143, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 143, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 143, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 143, 245);  
box-shadow:4px 4px 4px 4px rgb(82, 143,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7836, 28.0313, 90.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 143, 245) }
```

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

```
.background{ background-color: rgb(82, 143,  
245) }
```

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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