

Converting Colors

XYZ(28.9907, 28.0723, 90.2767)

Have a look what the booklet for
XYZ(28.9907, 28.0723, 90.2767)
contains.

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Color

**XYZ(28.9907, 28.0723,
90.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	4491F5
RGB	68, 145, 245
RGB Percent	27%, 57%, 96%
CMY	0.7333, 0.4314, 0.0392
CMYK	0.72, 0.41, 0.00, 0.04
HSL	214°, 90%, 61%
HSV	214°, 72%, 96%
XYZ	28.9907, 28.0723, 90.2767
YIQ	133.3770, -77.9920, 14.7760

Conversions

Conversions Part 2

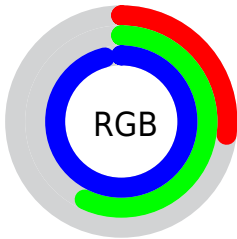
Format	Color
R _Y B	68, 122, 245
Decimal	4493813
CIE Lab	59.95, 9.18, -56.93
CIE LCh	60, 57.670, 279.163
Yxy	28.0723, 0.1968, 0.1905
Android (android.graphics.Color)	4282683893 (0xFF4491F5)
YUV	133.3770, 55.0301, -57.3356
Hunter-Lab	52.9833, 4.9485, -63.9342

Details

The XYZ color **28.9907, 28.0723, 90.2767** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **52.7049, 47.8396, 11.9269**, and the grayscale version is **22.2593, 23.4185, 25.5027**.

A 20% lighter version of the original color is **48.3974, 52.8424, 102.2565**, and **13.1693, 11.8153, 49.1634** is the 20% darker color. If you saturate the color by 10%, you get **25.6370, 23.3926, 89.5508**, and if you desaturate by 10%, it is **33.3178, 33.6370, 91.1234**.

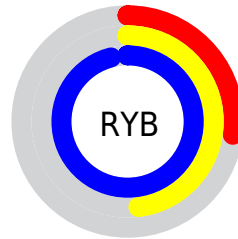
Distribution



Red (27%)

Green (57%)

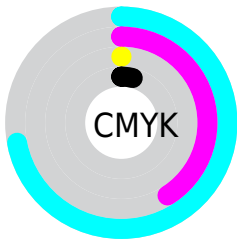
Blue (96%)



Red (27%)

Yellow (48%)

Blue (96%)

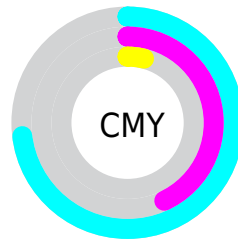


Cyan (72%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (73%)

Magenta (43%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9907, 28.0723, 90.2767 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 28.9907, 28.0723, 90.2767 by changing the saturation by 10% instead.

■ 28.9907, 28.0723,
90.2767

■ 28.9907, 28.0723,
90.2767

289.1661,
292.8122, 549.5238

■ 19.2180, 18.3802,
67.6352

■ 57.4600, 56.5999,
149.6616

■ 11.9329, 11.2233,
49.1361

■ 76.8873, 76.2041,
187.2420

■ 6.7699, 6.2172,
34.3611

■ 100.2635, 99.8811,
230.6390

■ 3.3636, 2.9776,
22.8916

■ 127.9540,
128.0153, 280.2714

■ 1.3489, 1.1201,
14.3089

160.3242,
160.9912, 336.5575

■ 0.2193, 0.0000,
8.1946

197.7394,

■ 0.0000, 0.0000,

199.1930, 399.9159

4.1302

240.5649,
243.0052, 470.7652

■ 0.0000, 0.0000,
1.6970

■ 0.0000, 0.0000,
0.3587

■ 28.9907, 28.0723,
90.2767

■ 28.9907, 28.0723,
90.2767

■ 25.6370, 23.3926,
89.5508

■ 33.3178, 33.6370,
91.1234

■ 23.1485, 19.5275,
88.9359

■ 38.7028, 40.1424,
92.0952

■ 21.6950, 17.0194,
88.5284

■ 45.2240, 47.6416,
93.1990

■ 52.9505, 56.1820,
94.4402

■ 61.9458, 65.8077,
95.8241

■ 72.2687, 76.5598,
97.3554

■ 83.9737, 88.4773,
99.0387

■ 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.



21.9739, 28.0723, 85.9706



28.9907, 28.0723, 90.2767



36.6138, 28.0723, 73.7840

Triad

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



28.9907, 28.0723, 90.2767



39.1757, 28.0723, 11.4988



15.5544, 28.0723, 18.3341

Complementary

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



28.9907, 28.0723, 90.2767



52.7049, 47.8396, 11.9269

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.



18.7312, 28.0723, 8.7298



28.9907, 28.0723, 90.2767



32.0184, 28.0723, 6.2275

Square

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



28.9907, 28.0723, 90.2767



43.1632, 28.0723, 24.5761



24.4990, 28.0723, 5.5200



15.0421, 28.0723, 37.4577

Rectangle

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



28.9907, 28.0723, 90.2767



40.7121, 28.0723, 56.2902



24.4990, 28.0723, 5.5200



16.3139, 28.0723, 14.1873

Sweetspot

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



28.9919, 28.0732, 90.2774



68.0454, 72.2860, 104.9740



41.8613, 69.2642, 46.9303



13.9597, 14.8319, 22.3770



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.



28.9919, 28.0732, 90.2774



26.6187, 23.4191, 97.7251



21.5988, 12.3003, 87.6226



16.1741, 17.1126, 20.9932



11.8194, 9.4326, 47.7358



1.1391, 1.0295, 4.2289

Inverse Universe

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



44.8352, 25.5927, 29.3654



45.7941, 23.9585, 23.2083



68.3387, 83.5816, 18.0018



16.7985, 16.6022, 18.6853



21.7704, 11.0516, 8.7653



1.9640, 0.9916, 1.0368

Previews

White Background



This preview shows how the XYZ color 28.9907, 28.0723, 90.2767 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 28.9907, 28.0723, 90.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

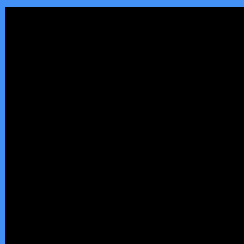
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

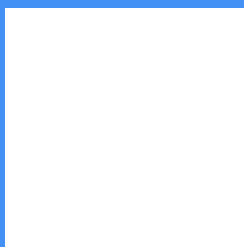
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9907, 28.0723, 90.2767

Background



This preview shows how black text looks on a background with the XYZ color 28.9907, 28.0723, 90.2767.



This preview shows how white text looks on a background with the XYZ color 28.9907, 28.0723,

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

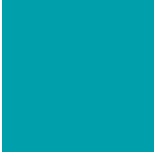
28.9907, 28.0723, 90.2767

Protanopia

30.5857, 27.8722, 86.2059

Deuteranopia

28.9907, 28.0723, 90.2767



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

28.9907, 28.0723, 90.2767

Protanomaly

29.9165, 27.9305, 87.8188

Deuteranomaly

28.9907, 28.0723, 90.2767

Tritanomaly

22.2653, 27.4414, 58.1560

Monochromacy



Original Color

28.9907, 28.0723, 90.2767

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.8923, 24.1985, 43.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9907, 28.0723, 90.2767 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(68, 145, 245)` looks like.

```
.text, #text, p{  
    color:rgb(68, 145, 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(68, 145, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 145, 245) }
```

Border

The CSS property to change the border of an element to XYZ 28.9907, 28.0723, 90.2767 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(68, 145, 245) }
```


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

```
.border{ border-color:rgb(68, 145, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 145, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 145, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 145, 245);  
box-shadow:4px 4px 4px 4px rgb(68, 145,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9907, 28.0723, 90.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 145, 245) }
```

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

```
.background{ background-color: rgb(68, 145,  
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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