

Converting Colors

XYZ(28.8996, 28.5476, 79.5640)

Have a look what the booklet for
XYZ(28.8996, 28.5476, 79.5640)
contains.

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Color

**XYZ(28.8225, 28.4511,
79.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	5992E7
RGB	89, 146, 231
RGB Percent	35%, 57%, 91%
CMY	0.6510, 0.4274, 0.0941
CMYK	0.61, 0.37, 0.00, 0.09
HSL	216°, 75%, 63%
HSV	216°, 61%, 91%
XYZ	28.8225, 28.4511, 79.5738
YIQ	138.6470, -61.2570, 14.3510

Conversions

Conversions Part 2

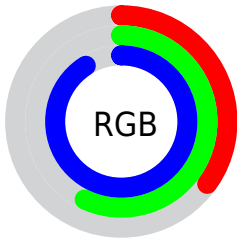
Format	Color
R_{YB}	89, 130, 231
Decimal	5870311
CIE _{Lab}	60.29, 7.06, -48.61
CIE _{LCh}	60, 49.119, 278.270
Yxy	28.4511, 0.2106, 0.2079
Android (android.graphics.Color)	4284060391 (0xFF5992E7)
YUV	138.6470, 45.5300, -43.5404
Hunter-Lab	53.3396, 3.1098, -51.1132

Details

The XYZ color **28.8225, 28.4511, 79.5738** 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 **49.8961, 47.9852, 16.0852**, and the grayscale version is **24.2539, 25.5170, 27.7880**.

A 20% lighter version of the original color is **51.2820, 55.0126, 102.5234**, and **11.9207, 11.4609, 42.1413** is the 20% darker color. If you saturate the color by 10%, you get **24.9393, 23.4742, 78.8184**, and if you desaturate by 10%, it is **33.6610, 34.3040, 80.4491**.

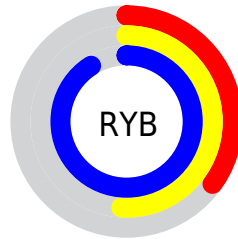
Distribution



Red (35%)

Green (57%)

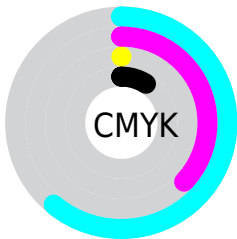
Blue (91%)



Red (35%)

Yellow (51%)

Blue (91%)

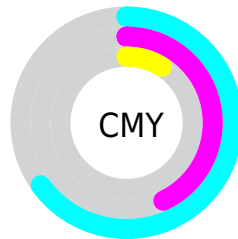


Cyan (61%)

Magenta (37%)

Yellow (0%)

Black (9%)



Cyan (65%)

Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8225, 28.4511, 79.5738 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 28.8225, 28.4511, 79.5738 by changing the saturation by 10% instead.

■ 28.8225, 28.4511,
79.5738

■ 28.8225, 28.4511,
79.5738

288.3859,
294.6162, 513.1642

■ 19.0902, 18.6660,
58.8436

■ 57.1945, 57.2038,
134.5723

■ 11.8399, 11.4292,
42.0680

■ 76.5648, 76.9403,
169.6777

■ 6.7061, 6.3563,
28.8286

■ 99.8786, 100.7626,
210.4120

■ 3.3237, 3.0629,
18.7067

■ 127.5011,
129.0551, 257.1935

■ 1.3272, 1.1647,
11.2839

159.7978,
162.2024, 310.4410

■ 0.2034, 0.0326,
6.1416

197.1339,

■ 0.0000, 0.0000,

200.5887, 370.5729

2.8612

239.8748,
244.5985, 438.0078

■ 0.0000, 0.0000,
1.0242

■ 0.0000, 0.0000,
0.0000

■ 28.8225, 28.4511,
79.5738

■ 28.8225, 28.4511,
79.5738

■ 24.9393, 23.4742,
78.8184

■ 33.6610, 34.3040,
80.4491

■ 21.9313, 19.3174,
78.1746

■ 39.5191, 41.0777,
81.4478

■ 19.7090, 15.9204,
77.6360

■ 46.4587, 48.8170,
82.5759

■ 18.3138, 13.5492,
77.2519

■ 54.5357, 57.5625,
83.8382

■ 63.8018, 67.3520,
85.2394

■ 74.3056, 78.2215,
86.7838

■ 86.0927, 90.2050,
88.4756

■ 91.4239, 98.5496,
89.8053

Harmonies

Analogous

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



22.7992, 28.4511, 75.6902



28.8225, 28.4511, 79.5738



35.2626, 28.4511, 66.9916

Triad

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



28.8225, 28.4511, 79.5738



37.7144, 28.4511, 14.0725



17.2753, 28.4511, 19.8246

Complementary

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



28.8225, 28.4511, 79.5738



49.8961, 47.9852, 16.0852

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.



20.2098, 28.4511, 10.9399



28.8225, 28.4511, 79.5738



31.7808, 28.4511, 8.6308

Square

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



28.8225, 28.4511, 79.5738



40.8929, 28.4511, 26.2502



25.3362, 28.4511, 7.7636



16.7358, 28.4511, 36.2428

Rectangle

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



28.8225, 28.4511, 79.5738



38.7128, 28.4511, 53.0481



25.3362, 28.4511, 7.7636



17.9896, 28.4511, 16.0770

Sweetspot

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



28.8236, 28.4521, 79.5745



71.9853, 76.0149, 105.4861



40.1274, 62.2488, 48.8480



14.7111, 15.5289, 22.4720



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.



28.8236, 28.4521, 79.5745



29.9962, 27.7470, 98.3825



23.3459, 15.6731, 77.3966



14.0553, 14.8319, 18.2664



10.3808, 7.8237, 43.3462



0.8561, 0.7561, 3.2328

Inverse Universe

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



41.7167, 26.2105, 30.0552



48.0914, 27.1458, 28.3124



59.6436, 72.9598, 20.3920



14.6155, 14.4634, 16.1755



19.6333, 9.9875, 6.9637



1.4957, 0.7560, 0.7511

Previews

White Background



This preview shows how the XYZ color 28.8225, 28.4511, 79.5738 looks on a white background.

Color Contrast Check

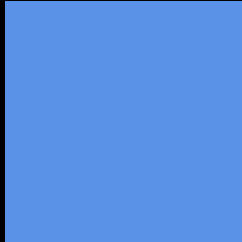
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8225, 28.4511, 79.5738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

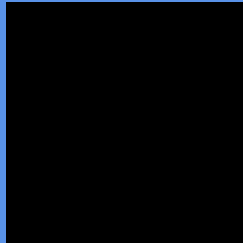
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

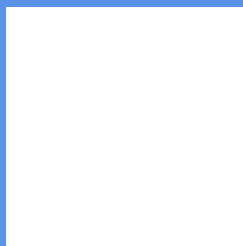
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8225, 28.4511, 79.5738

Background



This preview shows how black text looks on a background with the XYZ color 28.8225, 28.4511, 79.5738.



This preview shows how white text looks on a background with the XYZ color 28.8225, 28.4511,

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

28.8225, 28.4511, 79.5738

Protanopia

30.3482, 28.4028, 76.5558

Deuteranopia

29.2685, 28.4532, 79.5507



Tritanopia

21.4410, 28.3547, 42.8710

Trichromacy



Original Color

28.8225, 28.4511, 79.5738

Protanomaly

29.5350, 28.1894, 77.2832

Deuteranomaly

29.0634, 28.3475, 79.5411

Tritanomaly

23.7798, 28.3011, 54.6614

Monochromacy



Original Color

28.8225, 28.4511, 79.5738

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.0046, 26.3895, 42.8055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8225, 28.4511, 79.5738 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(89, 146, 231)` looks like.

```
.text, #text, p{  
    color:rgb(89, 146, 231)  
}
```

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(89, 146, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 146, 231) }
```

Border

The CSS property to change the border of an element to XYZ 28.8225, 28.4511, 79.5738 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(89, 146, 231) }
```


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

```
.border{ border-color:rgb(89, 146, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 146, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 146, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 146, 231);  
box-shadow:4px 4px 4px 4px rgb(89, 146,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8225, 28.4511, 79.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 146, 231) }
```

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

```
.background{ background-color: rgb(89, 146,  
231) }
```

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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