

Converting Colors

XYZ(27.4828, 28.5855, 77.3048)

Have a look what the booklet for
XYZ(27.4828, 28.5855, 77.3048)
contains.

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Color

**XYZ(27.4987, 28.5128,
77.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	4995E4
RGB	73, 149, 228
RGB Percent	29%, 58%, 89%
CMY	0.7137, 0.4157, 0.1059
CMYK	0.68, 0.35, 0.00, 0.11
HSL	211°, 74%, 59%
HSV	211°, 68%, 89%
XYZ	27.4987, 28.5128, 77.4530
YIQ	135.2820, -70.6550, 8.4570

Conversions

Conversions Part 2

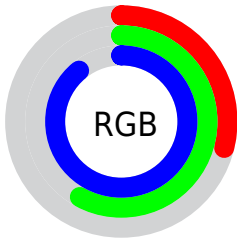
Format	Color
R _Y B	73, 124, 228
Decimal	4822500
CIE Lab	60.35, 1.60, -46.90
CIE LCh	60, 46.926, 271.959
Yxy	28.5128, 0.2060, 0.2136
Android (android.graphics.Color)	4283012580 (0xFF4995E4)
YUV	135.2820, 45.7100, -54.6213
Hunter-Lab	53.3974, -1.5211, -48.6221

Details

The XYZ color **27.4987, 28.5128, 77.4530** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **44.4277, 39.4346, 11.5750**, and the grayscale version is **22.9895, 24.1868, 26.3394**.

A 20% lighter version of the original color is **49.7225, 55.2502, 102.6515**, and **11.9082, 11.9022, 40.6995** is the 20% darker color. If you saturate the color by 10%, you get **24.3293, 24.2846, 76.8045**, and if you desaturate by 10%, it is **31.4866, 33.4361, 78.1937**.

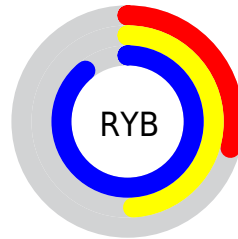
Distribution



Red (29%)

Green (58%)

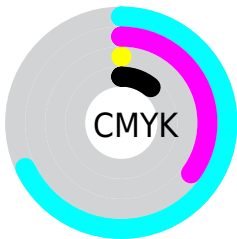
Blue (89%)



Red (29%)

Yellow (49%)

Blue (89%)

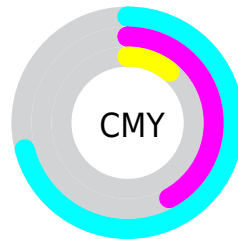


Cyan (68%)

Magenta (35%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (42%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4987, 28.5128, 77.4530 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 27.4987, 28.5128, 77.4530 by changing the saturation by 10% instead.

■ 27.4987, 28.5128,
77.4530

■ 27.4987, 28.5128,
77.4530

282.1874,
294.9092, 505.7858

■ 18.0866, 18.7126,
57.1110

■ 55.0973, 57.3021,
131.5576

■ 11.1123, 11.4628,
40.6844

■ 74.0146, 77.0600,
166.1572

■ 6.2102, 6.3790,
27.7547

■ 96.8311, 100.9059,
206.3465

■ 3.0152, 3.0769,
17.9034

■ 123.9120,
129.2242, 252.5439

■ 1.1618, 1.1720,
10.7119

155.6227,
162.3992, 305.1679

■ 0.0759, 0.0387,
5.7618

192.3286,

■ 0.0000, 0.0000,

200.8155, 364.6373

2.6343

234.3951,
244.8574, 431.3704

■ 0.0000, 0.0000,
0.9101

■ 0.0000, 0.0000,
0.0000

■ 27.4987, 28.5128,
77.4530

■ 27.4987, 28.5128,
77.4530

■ 24.3293, 24.2846,
76.8045

■ 31.4866, 33.4361,
78.1937

■ 21.8967, 20.7003,
76.2409

■ 36.3570, 39.0939,
79.0291

■ 20.0943, 17.6970,
75.7562

■ 42.1706, 45.5253,
79.9640

■ 19.7746, 17.1432,
75.6662

■ 48.9812, 52.7650,
81.0025

■ 56.8386, 60.8454,
82.1480

■ 65.7889, 69.7970,
83.4041

■ 75.8752, 79.6483,
84.7740

■ 86.9873, 90.3487,
86.2537

■ 90.5564, 97.4868,
87.4434

Harmonies

Analogous

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



22.0078, 28.5128, 70.5360



27.4987, 28.5128, 77.4530



33.7115, 28.5128, 68.5931

Triad

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



27.4987, 28.5128, 77.4530



38.1743, 28.5128, 16.5793



18.1023, 28.5128, 17.9069

Complementary

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



27.4987, 28.5128, 77.4530



44.4277, 39.4346, 11.5750

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.



21.4158, 28.5128, 10.5373



27.4987, 28.5128, 77.4530



32.9240, 28.5128, 9.9948

Square

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



27.4987, 28.5128, 77.4530



40.4162, 28.5128, 29.9247



26.7063, 28.5128, 8.2815



17.0871, 28.5128, 32.1942

Rectangle

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



27.4987, 28.5128, 77.4530



37.2944, 28.5128, 56.3288



26.7063, 28.5128, 8.2815



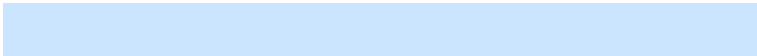
18.9573, 28.5128, 14.7513

Sweetspot

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



27.4998, 28.5137, 77.4537



70.9726, 76.0989, 105.5556



36.0378, 59.1224, 38.5803



14.5660, 15.6483, 22.5027



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.



27.4998, 28.5137, 77.4537



29.8284, 29.1108, 98.6546



19.1353, 11.7847, 74.6655



14.1634, 15.0481, 18.3024



11.5365, 10.1351, 43.7314



0.9453, 0.9345, 3.2625

Inverse Universe

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



39.8033, 23.4304, 30.8591



47.5918, 25.3577, 30.5784



60.9417, 72.4626, 17.0797



14.6700, 14.4852, 16.4629



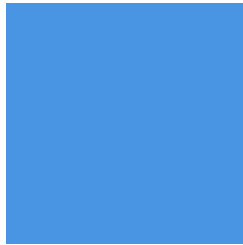
20.2166, 10.2209, 10.0356



1.5408, 0.7740, 0.9882

Previews

White Background



This preview shows how the XYZ color 27.4987, 28.5128, 77.4530 looks on a white background.

Color Contrast Check

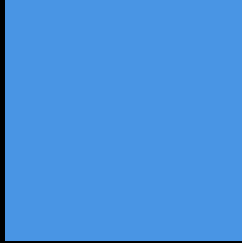
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4987, 28.5128, 77.4530 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

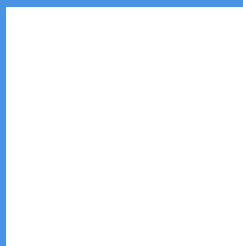
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4987, 28.5128, 77.4530

Background



This preview shows how black text looks on a background with the XYZ color 27.4987, 28.5128, 77.4530.



This preview shows how white text looks on a background with the XYZ color 27.4987, 28.5128,

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

27.4987, 28.5128, 77.4530

Protanopia

30.0603, 28.3329, 72.9917

Deuteranopia

29.3053, 28.5046, 78.0861



Tritanopia

20.7733, 28.4988, 43.9411

Trichromacy



Original Color

27.4987, 28.5128, 77.4530

Protanomaly

28.8355, 28.3419, 74.4718

Deuteranomaly

28.5416, 28.3388, 78.0944

Tritanomaly

22.7330, 28.2556, 54.7078

Monochromacy



Original Color

27.4987, 28.5128, 77.4530

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.2216, 25.0655, 41.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4987, 28.5128, 77.4530 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(73, 149, 228)` looks like.

```
.text, #text, p{  
  color:rgb(73, 149, 228)  
}
```

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(73, 149, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 149, 228) }
```

Border

The CSS property to change the border of an element to XYZ 27.4987, 28.5128, 77.4530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

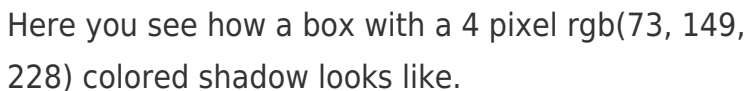
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 149, 228) }
```


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

```
.border{ border-color:rgb(73, 149, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(73, 149, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 149, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 149, 228); box-shadow:4px 4px 4px 4px rgb(73, 149, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4987, 28.5128, 77.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 149, 228) }
```

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

```
.background{ background-color: rgb(73, 149,  
228) }
```

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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