

Converting Colors

XYZ(28.0920, 29.1940, 76.9602)

Have a look what the booklet for
XYZ(28.0920, 29.1940, 76.9602)
contains.

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Color

**XYZ(28.1562, 29.3415,
76.8525)**

Conversions

Conversions Part 1

Format	Color
Hex	4F97E3
RGB	79, 151, 227
RGB Percent	31%, 59%, 89%
CMY	0.6902, 0.4078, 0.1098
CMYK	0.65, 0.33, 0.00, 0.11
HSL	211°, 73%, 60%
HSV	211°, 65%, 89%
XYZ	28.1562, 29.3415, 76.8525
YIQ	138.1360, -67.3080, 8.3720

Conversions

Conversions Part 2

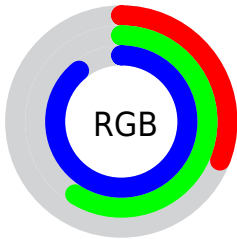
Format	Color
R _Y B	79, 127, 227
Decimal	5216227
CIE Lab	61.08, 1.06, -45.17
CIE LCh	61, 45.185, 271.345
Yxy	29.3415, 0.2096, 0.2184
Android (android.graphics.Color)	4283406307 (0xFF4F97E3)
YUV	138.1360, 43.8100, -51.8623
Hunter-Lab	54.1678, -2.0101, -46.2024

Details

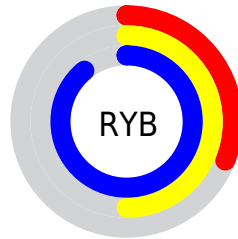
The XYZ color **28.1562, 29.3415, 76.8525** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **44.8131, 40.3411, 12.8236**, and the grayscale version is **24.0672, 25.3205, 27.5741**.

A 20% lighter version of the original color is **50.8658, 56.5454, 102.8412**, and **12.0044, 12.2476, 40.2594** is the 20% darker color. If you saturate the color by 10%, you get **24.7960, 24.9609, 76.1847**, and if you desaturate by 10%, it is **32.3485, 34.4273, 77.6138**.

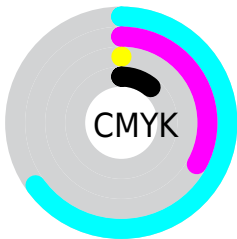
Distribution



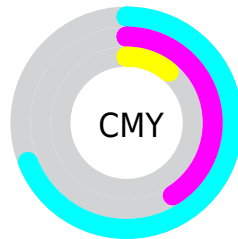
- Red (31%)
- Green (59%)
- Blue (89%)



- Red (31%)
- Yellow (50%)
- Blue (89%)



- Cyan (65%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (69%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1562, 29.3415, 76.8525 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 28.1562, 29.3415, 76.8525 by changing the saturation by 10% instead.

■ 28.1562, 29.3415,
76.8525

■ 28.1562, 29.3415,
76.8525

285.2791,
298.8229, 503.6853

■ 18.5845, 19.3393,
56.6210

■ 56.1406, 58.6192,
130.7024

■ 11.4727, 11.9157,
40.2937

■ 75.2841, 78.6636,
165.1578

■ 6.4553, 6.6863,
27.4521

■ 98.3488, 102.8240,
205.1916

■ 3.1671, 3.2667,
17.6776

■ 125.7001,
131.4851, 251.2223

■ 1.2428, 1.2725,
10.5517

157.7035,
165.0311, 303.6685

■ 0.1397, 0.1198,
5.6559

194.7242,

■ 0.0000, 0.0000,

203.8465, 362.9487

2.5716

237.1276,
248.3156, 429.4815

■ 0.0000, 0.0000,
0.8778

■ 0.0000, 0.0000,
0.0000

■ 28.1562, 29.3415,
76.8525

■ 28.1562, 29.3415,
76.8525

■ 24.7960, 24.9609,
76.1847

■ 32.3485, 34.4273,
77.6138

■ 22.1905, 21.2364,
75.6031

■ 37.4339, 40.2562,
78.4709

■ 20.2509, 18.1142,
75.1027

■ 43.4708, 46.8659,
79.4285

■ 19.4874, 16.7904,
74.8874

■ 50.5114, 54.2906,
80.4905

■ 58.6040, 62.5617,
81.6605

■ 67.7932, 71.7091,
82.9418

■ 78.1214, 81.7608,
84.3376

■ 87.5343, 91.6642,
85.7530

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



22.7801, 29.3415, 69.9229



28.1562, 29.3415, 76.8525



34.2357, 29.3415, 68.6412

Triad

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



28.1562, 29.3415, 76.8525



38.7780, 29.3415, 17.8181



19.0478, 29.3415, 18.7310

Complementary

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



28.1562, 29.3415, 76.8525



44.8131, 40.3411, 12.8236

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.



22.3782, 29.3415, 11.4167



28.1562, 29.3415, 76.8525



33.7079, 29.3415, 11.0357

Square

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



28.1562, 29.3415, 76.8525



40.8798, 29.3415, 31.1890



27.6219, 29.3415, 9.1891



17.9897, 29.3415, 32.7191

Rectangle

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



28.1562, 29.3415, 76.8525



37.7507, 29.3415, 56.9306



27.6219, 29.3415, 9.1891



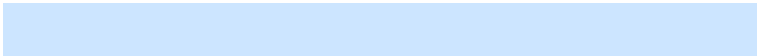
19.9130, 29.3415, 15.6104

Sweetspot

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



28.1573, 29.3425, 76.8532



70.9185, 75.9907, 105.5376



36.4447, 58.9013, 39.5874



14.5531, 15.6224, 22.4983



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.



28.1573, 29.3425, 76.8532



31.0544, 30.7995, 98.9159



19.8871, 12.8020, 74.0965



14.1587, 15.0387, 18.3009



11.4809, 10.0240, 43.7129



0.9411, 0.9262, 3.2611

Inverse Universe

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



40.0615, 24.1587, 31.8305



48.3970, 26.3933, 32.6189



60.5597, 71.8343, 18.0724



14.6677, 14.4843, 16.4504



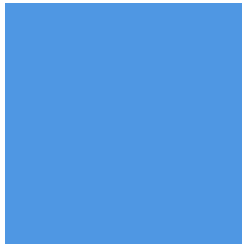
20.1886, 10.2096, 9.8878



1.5387, 0.7732, 0.9771

Previews

White Background



This preview shows how the XYZ color 28.1562, 29.3415, 76.8525 looks on a white background.

Color Contrast Check

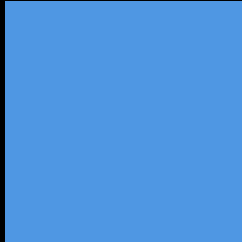
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1562, 29.3415, 76.8525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

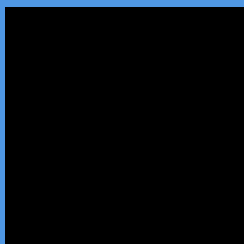
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

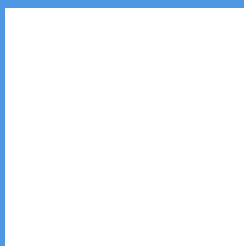
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1562, 29.3415, 76.8525

Background



This preview shows how black text looks on a background with the XYZ color 28.1562, 29.3415, 76.8525.



This preview shows how white text looks on a background with the XYZ color 28.1562, 29.3415,

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

28.1562, 29.3415, 76.8525

Protanopia

30.7701, 29.1600, 72.4133

Deuteranopia

29.9914, 29.1023, 77.4354



Tritanopia

21.7494, 29.2379, 45.0546

Trichromacy



Original Color

28.1562, 29.3415, 76.8525

Protanomaly

29.5787, 29.1984, 73.8889

Deuteranomaly

29.3128, 29.2141, 77.4927

Tritanomaly

23.6581, 28.9696, 55.3837

Monochromacy



Original Color

28.1562, 29.3415, 76.8525

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.4143, 26.3291, 41.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1562, 29.3415, 76.8525 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(79, 151, 227)` looks like.

```
.text, #text, p{  
    color:rgb(79, 151, 227)  
}
```

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(79, 151, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 151, 227) }
```

Border

The CSS property to change the border of an element to XYZ 28.1562, 29.3415, 76.8525 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(79, 151, 227) }
```


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

```
.border{ border-color:rgb(79, 151, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 151, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 151, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 151, 227);  
box-shadow:4px 4px 4px 4px rgb(79, 151,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1562, 29.3415, 76.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 151, 227) }
```

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

```
.background{ background-color: rgb(79, 151,  
227) }
```

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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