

Converting Colors

XYZ(29.9072, 29.3975, 76.2766)

Have a look what the booklet for
XYZ(29.9072, 29.3975, 76.2766)
contains.

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Color

**XYZ(29.7547, 29.2420,
76.0275)**

Conversions

Conversions Part 1

Format	Color
Hex	6793E2
RGB	103, 147, 226
RGB Percent	40%, 58%, 89%
CMY	0.5961, 0.4235, 0.1137
CMYK	0.54, 0.35, 0.00, 0.11
HSL	219°, 68%, 65%
HSV	219°, 54%, 89%
XYZ	29.7547, 29.2420, 76.0275
YIQ	142.8500, -51.5830, 15.2410

Conversions

Conversions Part 2

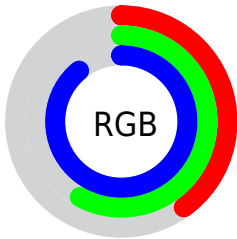
Format	Color
RYB	103, 135, 226
Decimal	6788066
CIELab	60.99, 7.63, -44.68
CIELCh	61, 45.330, 279.689
Yxy	29.2420, 0.2204, 0.2166
Android (android.graphics.Color)	4284978146 (0xFF6793E2)
YUV	142.8500, 40.9930, -34.9484
Hunter-Lab	54.0759, 3.5850, -45.5051

Details

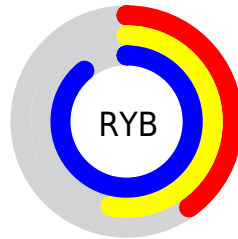
The XYZ color **29.7547, 29.2420, 76.0275** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.5416, 50.6060, 19.9376**, and the grayscale version is **25.9062, 27.2554, 29.6811**.

A 20% lighter version of the original color is **53.6346, 56.5704, 102.7001**, and **12.3671, 11.8830, 39.6720** is the 20% darker color. If you saturate the color by 10%, you get **25.3876, 23.8489, 75.2173**, and if you desaturate by 10%, it is **35.1093, 35.5679, 76.9669**.

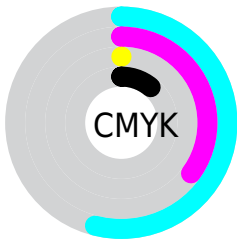
Distribution



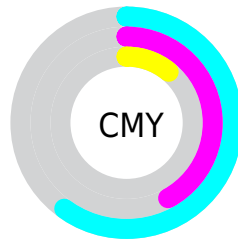
- Red (40%)
- Green (58%)
- Blue (89%)



- Red (40%)
- Yellow (53%)
- Blue (89%)



- Cyan (54%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7547, 29.2420, 76.0275 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 29.7547, 29.2420, 76.0275 by changing the saturation by 10% instead.

■ 29.7547, 29.2420,
76.0275

■ 29.7547, 29.2420,
76.0275

292.6898,
298.3551, 500.7912

■ 19.7996, 19.2640,
55.9483

■ 58.6633, 58.4614,
129.5262

■ 12.3569, 11.8612,
39.7577

■ 78.3476, 78.4715,
163.7828

■ 7.0611, 6.6492,
27.0374

■ 102.0056,
102.5944, 203.6022

■ 3.5470, 3.2437,
17.3686

■ 130.0028,
131.2145, 249.4031

■ 1.4492, 1.2603,
10.3329

162.7044,
164.7163, 301.6038

■ 0.2909, 0.1101,
5.5118

200.4759,

■ 0.0000, 0.0000,

203.4840, 360.6231

2.4866

243.6826,
247.9022, 426.8793

■ 0.0000, 0.0000,
0.8330

■ 0.0000, 0.0000,
0.0000

■ 29.7547, 29.2420,
76.0275

■ 29.7547, 29.2420,
76.0275

■ 25.3876, 23.8489,
75.2173

■ 35.1093, 35.5679,
76.9669

■ 21.9362, 19.3346,
74.5279

■ 41.5096, 42.8701,
78.0390

■ 19.3233, 15.6431,
73.9530

■ 49.0127, 51.1927,
79.2500

■ 17.4551, 12.7082,
73.4850

■ 57.6706, 60.5759,
80.6048

■ 16.6583, 11.3525,
73.2653

■ 67.5318, 71.0578,
82.1083

■ 78.6419, 82.6743,
83.7649

■ 88.7238, 94.2635,
85.4705

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



24.0248, 29.2420, 73.2694



29.7547, 29.2420, 76.0275



35.7196, 29.2420, 64.1121

Triad

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



29.7547, 29.2420, 76.0275



37.5111, 29.2420, 15.2221



18.4227, 29.2420, 21.8066

Complementary

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



29.7547, 29.2420, 76.0275



50.5416, 50.6060, 19.9376

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.



21.1365, 29.2420, 12.7578



29.7547, 29.2420, 76.0275



31.9374, 29.2420, 10.0009

Square

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



29.7547, 29.2420, 76.0275



40.5994, 29.2420, 26.6598



25.9207, 29.2420, 9.2960



18.0109, 29.2420, 37.6502

Rectangle

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



29.7547, 29.2420, 76.0275



38.8305, 29.2420, 51.3012



25.9207, 29.2420, 9.2960



19.0755, 29.2420, 18.0519

Sweetspot

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



29.7558, 29.2430, 76.0282



73.8024, 77.4712, 105.6714



41.1213, 60.6092, 53.1951



15.2762, 16.0204, 22.5371



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.



29.7558, 29.2430, 76.0282



32.8687, 30.7059, 98.8022



26.2419, 19.1434, 74.2640



13.3513, 14.0417, 17.3943



9.6056, 6.6808, 41.8316



0.7485, 0.6284, 2.9271

Inverse Universe

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



41.4817, 27.9772, 30.8184



50.2214, 30.6017, 31.5014



56.1100, 69.0157, 23.1976



13.9088, 13.7811, 15.2898



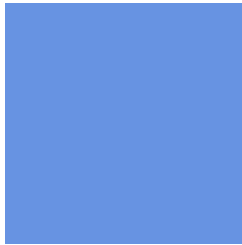
18.7887, 9.5825, 5.5530



1.3440, 0.6809, 0.6046

Previews

White Background



This preview shows how the XYZ color 29.7547, 29.2420, 76.0275 looks on a white background.

Color Contrast Check

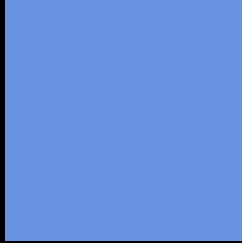
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7547, 29.2420, 76.0275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

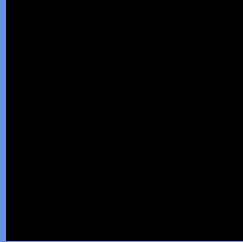
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7547, 29.2420, 76.0275

Background



This preview shows how black text looks on a background with the XYZ color 29.7547, 29.2420, 76.0275.

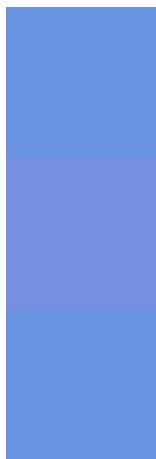


This preview shows how white text looks on a background with the XYZ color 29.7547, 29.2420,

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

29.7547, 29.2420, 76.0275

Protanopia

30.7638, 29.1258, 73.8125

Deuteranopia

29.9502, 29.1129, 75.9923



Tritanopia

23.1448, 29.2330, 42.9507

Trichromacy



Original Color

29.7547, 29.2420, 76.0275

Protanomaly

30.3900, 29.1433, 74.5445

Deuteranomaly

29.8320, 29.0520, 75.9868

Tritanomaly

25.1760, 29.0464, 53.5698

Monochromacy



Original Color

29.7547, 29.2420, 76.0275

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.4182, 27.5528, 43.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7547, 29.2420, 76.0275 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(103, 147, 226)` looks like.

```
.text, #text, p{  
    color:rgb(103, 147, 226)  
}
```

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(103, 147, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 147, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.7547, 29.2420, 76.0275 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(103, 147, 226) }
```


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

```
.border{ border-color:rgb(103, 147, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 147, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 147, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 147, 226);  
box-shadow:4px 4px 4px 4px rgb(103, 147,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7547, 29.2420, 76.0275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 147, 226) }
```

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

```
.background{ background-color: rgb(103,  
147, 226) }
```

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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