

Converting Colors

XYZ(30.0278, 32.6916, 62.4737)

Have a look what the booklet for
XYZ(30.0278, 32.6916, 62.4737)
contains.

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Color

**XYZ(29.9731, 32.5836,
62.4671)**

Conversions

Conversions Part 1

Format	Color
Hex	6F9FCD
RGB	111, 159, 205
RGB Percent	44%, 62%, 80%
CMY	0.5647, 0.3765, 0.1961
CMYK	0.46, 0.22, 0.00, 0.20
HSL	209°, 48%, 62%
HSV	209°, 46%, 80%
XYZ	29.9731, 32.5836, 62.4671
YIQ	149.8920, -43.3740, 4.1300

Conversions

Conversions Part 2

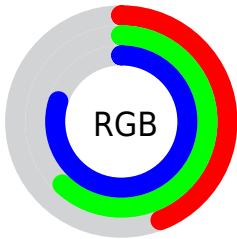
Format	Color
R _Y B	111, 143, 205
Decimal	7315405
CIE Lab	63.82, -3.73, -28.56
CIE LCh	64, 28.804, 262.557
Yxy	32.5836, 0.2397, 0.2606
Android (android.graphics.Color)	4285505485 (0xFF6F9FCD)
YUV	149.8920, 27.1682, -34.1083
Hunter-Lab	57.0820, -6.1654, -24.9259

Details

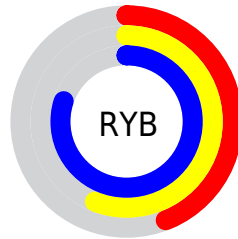
The XYZ color **29.9731, 32.5836, 62.4671** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.1038, 38.2416, 20.3077**, and the grayscale version is **28.8463, 30.3485, 33.0495**.

A 20% lighter version of the original color is **58.0329, 63.5286, 103.8113**, and **12.5240, 13.7717, 31.2763** is the 20% darker color. If you saturate the color by 10%, you get **26.0280, 28.0925, 61.8088**, and if you desaturate by 10%, it is **34.6523, 37.6623, 63.2014**.

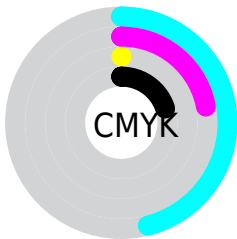
Distribution



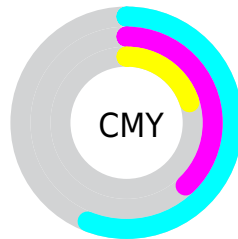
- Red (44%)
- Green (62%)
- Blue (80%)



- Red (44%)
- Yellow (56%)
- Blue (80%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (56%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9731, 32.5836, 62.4671 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 29.9731, 32.5836, 62.4671 by changing the saturation by 10% instead.

■ 29.9731, 32.5836,
62.4671

■ 29.9731, 32.5836,
62.4671

293.6911,
313.7692, 451.6875

■ 19.9661, 21.8076,
44.9720

■ 59.0066, 63.7249,
109.9785

■ 12.4786, 13.7156,
31.0926

■ 78.7638, 84.8590,
140.8318

■ 7.1450, 7.9231,
20.4103

■ 102.5018,
110.2146, 176.9750

■ 3.6001, 4.0458,
12.5066

130.5859,
140.1761, 218.8266

■ 1.4785, 1.6992,
6.9630

163.3816,
175.1280, 266.8051

■ 0.3111, 0.4232,
3.3609

201.2541,

■ 0.0000, 0.0000,

215.4545, 321.3290

1.2817

244.5688,
261.5401, 382.8170

■ 0.0000, 0.0000,
0.0467

■ 0.0000, 0.0000,
0.0000

■ 29.9731, 32.5836,
62.4671

■ 29.9731, 32.5836,
62.4671

■ 26.0280, 28.0925,
61.8088

■ 34.6523, 37.6623,
63.2014

■ 22.7694, 24.1577,
61.2210

■ 40.1026, 43.3505,
64.0120

■ 20.1486, 20.7495,
60.7013

■ 46.3624, 49.6731,
64.9025

■ 18.1084, 17.8331,
60.2459

■ 53.4663, 56.6526,
65.8753

■ 16.5780, 15.3666,
59.8505

■ 61.4469, 64.3100,
66.9327

■ 16.0388, 14.4464,
59.7013

■ 70.3348, 72.6652,
68.0769

■ 80.1593, 81.7376,
69.3103

■ 83.2015, 87.5518,
70.2722

■ 86.2248, 93.5982,
71.2799

Harmonies

Analogous

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



26.4775, 32.5836, 56.2658



29.9731, 32.5836, 62.4671



34.0503, 32.5836, 60.2818

Triad

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



29.9731, 32.5836, 62.4671



38.7224, 32.5836, 27.6005



25.1956, 32.5836, 23.5852

Complementary

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



29.9731, 32.5836, 62.4671



40.1038, 38.2416, 20.3077

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.



28.0808, 32.5836, 18.6263



29.9731, 32.5836, 62.4671



35.9433, 32.5836, 20.5680

Square

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



29.9731, 32.5836, 62.4671



39.3402, 32.5836, 38.4424



31.9882, 32.5836, 17.6567



23.8797, 32.5836, 32.6701

Rectangle

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



29.9731, 32.5836, 62.4671



36.5337, 32.5836, 54.5459



31.9882, 32.5836, 17.6567



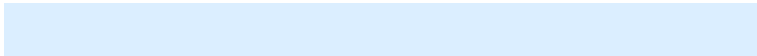
26.0014, 32.5836, 21.4692

Sweetspot

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



29.9742, 32.5848, 62.4679



77.7916, 83.2024, 106.5673



34.4253, 49.4579, 39.3782



16.1354, 17.2965, 22.7381



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.



29.9742, 32.5848, 62.4679



42.7239, 46.1209, 101.2582



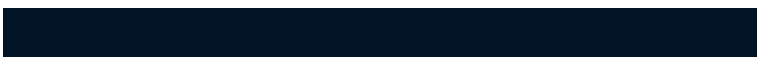
23.4329, 19.5022, 60.2874



11.0674, 11.7753, 14.2599



10.0802, 9.1843, 37.1977



0.5959, 0.6255, 1.9443

Inverse Universe

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



37.1202, 26.8523, 36.0287



56.2444, 37.0254, 50.8419



49.5052, 57.0443, 23.4415



11.4474, 11.3077, 12.8906



17.2989, 8.7302, 9.2927



0.9307, 0.4657, 0.6810

Previews

White Background



This preview shows how the XYZ color 29.9731, 32.5836, 62.4671 looks on a white background.

Color Contrast Check

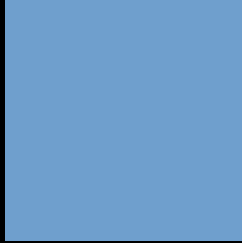
Large Text (above 18pt) WCAG AA × Fail

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 29.9731, 32.5836, 62.4671 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 ✓ Pass

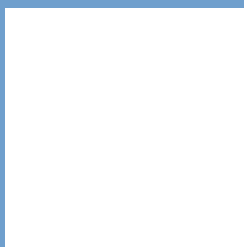
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9731, 32.5836, 62.4671

Background



This preview shows how black text looks on a background with the XYZ color 29.9731, 32.5836, 62.4671.

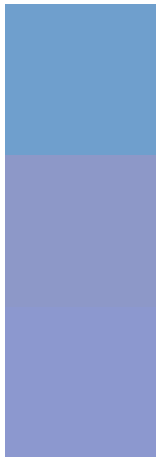


This preview shows how white text looks on a background with the XYZ color 29.9731, 32.5836,

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

29.9731, 32.5836, 62.4671

Protanopia

32.6381, 32.2893, 59.1558

Deuteranopia

33.3059, 32.5369, 63.5563



Tritanopia

26.8048, 32.6088, 46.4763

Trichromacy



Original Color

29.9731, 32.5836, 62.4671

Protanomaly

31.5879, 32.4528, 60.4763

Deuteranomaly

31.9152, 32.5660, 62.9963

Tritanomaly

27.8338, 32.4927, 51.8184

Monochromacy



Original Color

29.9731, 32.5836, 62.4671

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8003, 30.9190, 42.4802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9731, 32.5836, 62.4671 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(111, 159, 205)` looks like.

```
.text, #text, p{  
    color:rgb(111, 159, 205)  
}
```

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(111, 159, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 159, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.9731, 32.5836, 62.4671 is called "border". The border property can be set on classes, ids or directly on the HTML element.

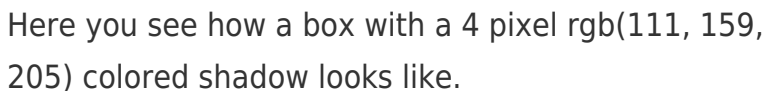
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 159, 205) }
```


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

```
.border{ border-color:rgb(111, 159, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 159, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 159, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 159, 205); box-shadow:4px 4px 4px 4px rgb(111, 159, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9731, 32.5836, 62.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 159, 205) }
```

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

```
.background{ background-color: rgb(111,  
159, 205) }
```

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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