

Converting Colors

XYZ(30.9287, 32.1076, 66.5109)

Have a look what the booklet for
XYZ(30.9287, 32.1076, 66.5109)
contains.

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Color

**XYZ(30.9825, 32.2620,
66.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	759CD3
RGB	117, 156, 211
RGB Percent	46%, 61%, 83%
CMY	0.5412, 0.3882, 0.1725
CMYK	0.45, 0.26, 0.00, 0.17
HSL	215°, 52%, 64%
HSV	215°, 45%, 83%
XYZ	30.9825, 32.2620, 66.2223
YIQ	150.6090, -40.8990, 8.8370

Conversions

Conversions Part 2

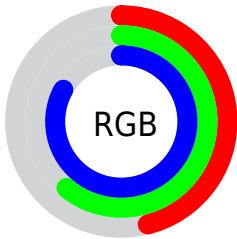
Format	Color
RYB	117, 145, 211
Decimal	7707859
CIELab	63.56, 1.18, -32.28
CIElCh	64, 32.302, 272.099
Yxy	32.2620, 0.2393, 0.2492
Android (android.graphics.Color)	4285897939 (0xFF759CD3)
YUV	150.6090, 29.7728, -29.4751
Hunter-Lab	56.7996, -2.0330, -29.3660

Details

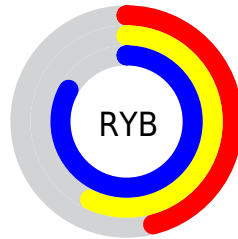
The XYZ color **30.9825, 32.2620, 66.2223** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.8285, 44.6397, 23.0846**, and the grayscale version is **29.1390, 30.6565, 33.3849**.

A 20% lighter version of the original color is **58.3302, 62.1974, 103.5387**, and **13.0389, 13.5276, 33.3763** is the 20% darker color. If you saturate the color by 10%, you get **26.4931, 27.0275, 65.4491**, and if you desaturate by 10%, it is **36.3236, 38.2495, 67.0971**.

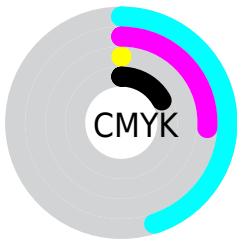
Distribution



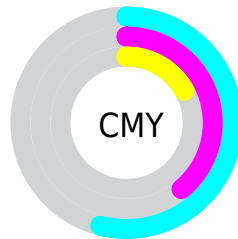
- Red (46%)
- Green (61%)
- Blue (83%)



- Red (46%)
- Yellow (57%)
- Blue (83%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9825, 32.2620, 66.2223 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 30.9825, 32.2620, 66.2223 by changing the saturation by 10% instead.

■ 30.9825, 32.2620,
66.2223

■ 30.9825, 32.2620,
66.2223

298.2860,
312.3110, 465.5974

■ 20.7373, 21.5617,
47.9953

■ 60.5885, 63.2216,
115.4354

■ 13.0435, 13.5352,
33.4632

■ 80.6801, 84.2497,
147.2585

■ 7.5357, 7.7981,
22.2075

■ 104.7845,
109.4891, 184.4507

■ 3.8486, 3.9660,
13.8097

133.2670,
139.3244, 227.4306

■ 1.6168, 1.6546,
7.8512

166.4931,
174.1398, 276.6167

■ 0.4033, 0.3940,
3.9135

204.8280,

■ 0.0000, 0.0000,

214.3198, 332.4275

1.5780

248.6372,
260.2487, 395.2815

■ 0.0000, 0.0000,
0.2750

■ 0.0000, 0.0000,
0.0000

■ 30.9825, 32.2620,
66.2223

■ 30.9825, 32.2620,
66.2223

■ 26.4931, 27.0275,
65.4491

■ 36.3236, 38.2495,
67.0971

■ 22.8025, 22.5074,
64.7712

■ 42.5585, 45.0187,
68.0751

■ 19.8561, 18.6646,
64.1848

■ 49.7303, 52.6009,
69.1606

■ 17.5906, 15.4561,
63.6849

■ 57.8782, 61.0245,
70.3571

■ 15.9298, 12.8319,
63.2659

■ 67.0391, 70.3166,
71.6678

■ 15.2102, 11.6077,
63.0675

■ 77.2479, 80.5028,
73.0959

■ 84.8765, 89.7201,
74.4729

■ 88.6846, 97.3364,
75.7423

■ 88.7580, 97.4832,
75.7668

Harmonies

Analogous

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



26.7852, 32.2620, 61.9410



30.9825, 32.2620, 66.2223



35.5030, 32.2620, 60.6240

Triad

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



30.9825, 32.2620, 66.2223



38.6061, 32.2620, 23.5220



23.6258, 32.2620, 24.7475

Complementary

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



30.9825, 32.2620, 66.2223



44.8285, 44.6397, 23.0846

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.



26.2861, 32.2620, 18.0197



30.9825, 32.2620, 66.2223



34.9004, 32.2620, 17.4435

Square

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



30.9825, 32.2620, 66.2223



40.1643, 32.2620, 34.2268



30.3478, 32.2620, 15.7061



22.7941, 32.2620, 36.0445

Rectangle

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



30.9825, 32.2620, 66.2223



38.0225, 32.2620, 52.6847



30.3478, 32.2620, 15.7061



24.3221, 32.2620, 21.9818

Sweetspot

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



30.9836, 32.2632, 66.2231



78.0097, 82.4888, 106.4181



38.0619, 53.3435, 47.2373



16.1341, 17.0678, 22.6940



0.0000, 0.0000, 0.0000



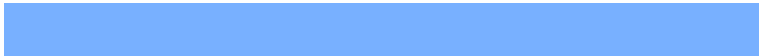
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9836, 32.2632, 66.2231



41.2850, 42.2225, 100.5815



26.5536, 21.7746, 64.4321



11.5608, 12.2120, 14.9915



9.2751, 7.1969, 38.0928



0.5961, 0.5574, 2.1557

Inverse Universe

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



39.2270, 28.9730, 34.9785



55.7672, 37.7884, 45.3886



51.1800, 60.5936, 25.8293



12.0092, 11.8884, 13.3244



17.3124, 8.7978, 6.5512



1.0071, 0.5076, 0.5722

Previews

White Background



This preview shows how the XYZ color 30.9825, 32.2620, 66.2223 looks on a white background.

Color Contrast Check

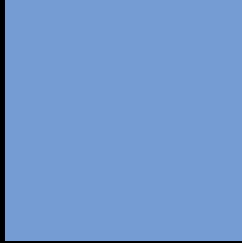
Large Text (above 18pt) WCAG AA × Fail

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 30.9825, 32.2620, 66.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

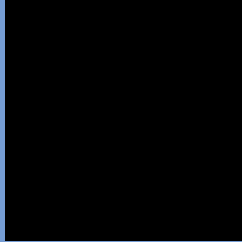
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9825, 32.2620, 66.2223

Background



This preview shows how black text looks on a background with the XYZ color 30.9825, 32.2620, 66.2223.

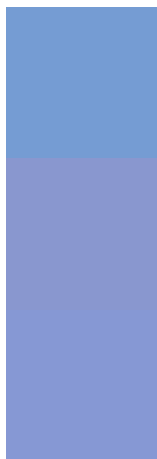


This preview shows how white text looks on a background with the XYZ color 30.9825, 32.2620,

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

30.9825, 32.2620, 66.2223

Protanopia

32.6456, 31.9566, 63.4791

Deuteranopia

32.9434, 32.2783, 66.7814



Tritanopia

26.9971, 32.4548, 45.9158

Trichromacy



Original Color

30.9825, 32.2620, 66.2223

Protanomaly

31.9823, 32.0824, 64.1814

Deuteranomaly

32.1770, 32.1251, 66.7922

Tritanomaly

28.3117, 32.1952, 52.8662

Monochromacy



Original Color

30.9825, 32.2620, 66.2223

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5815, 31.2886, 44.0153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9825, 32.2620, 66.2223 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(117, 156, 211)` looks like.

```
.text, #text, p{  
    color:rgb(117, 156, 211)  
}
```

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(117, 156, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 156, 211) }
```

Border

The CSS property to change the border of an element to XYZ 30.9825, 32.2620, 66.2223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

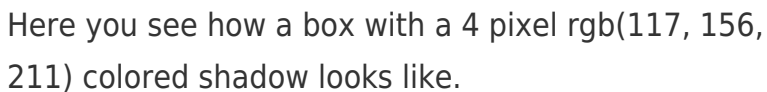
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 156, 211) }
```


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

```
.border{ border-color:rgb(117, 156, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 156, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 156, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 156, 211); box-shadow:4px 4px 4px 4px rgb(117, 156, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9825, 32.2620, 66.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 156, 211) }
```

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

```
.background{ background-color: rgb(117,  
156, 211) }
```

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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