

Converting Colors

XYZ(30.0636, 28.9596, 64.9780)

Have a look what the booklet for
XYZ(30.0636, 28.9596, 64.9780)
contains.

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Color

**XYZ(30.0636, 28.9596,
64.9780)**

Conversions

Conversions Part 1

Format	Color
Hex	7D90D2
RGB	125, 144, 210
RGB Percent	49%, 56%, 82%
CMY	0.5098, 0.4353, 0.1765
CMYK	0.40, 0.31, 0.00, 0.18
HSL	227°, 49%, 66%
HSV	227°, 40%, 82%
XYZ	30.0636, 28.9596, 64.9780
YIQ	145.8430, -32.5100, 16.4980

Conversions

Conversions Part 2

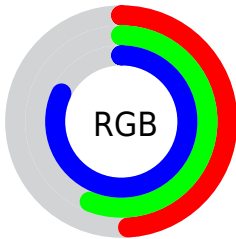
Format	Color
RYB	125, 141, 210
Decimal	8229074
CIELab	60.75, 9.87, -36.06
CIElCh	61, 37.389, 285.308
Yxy	28.9596, 0.2424, 0.2335
Android (android.graphics.Color)	4286419154 (0xFF7D90D2)
YUV	145.8430, 31.6294, -18.2793
Hunter-Lab	53.8141, 5.5454, -33.9200

Details

The XYZ color **30.0636, 28.9596, 64.9780** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.9119, 52.4454, 26.9485**, and the grayscale version is **27.1424, 28.5559, 31.0974**.

A 20% lighter version of the original color is **57.0665, 57.3115, 102.6622**, and **12.5176, 11.7116, 32.6112** is the 20% darker color. If you saturate the color by 10%, you get **25.0219, 22.9556, 64.0854**, and if you desaturate by 10%, it is **36.1121, 36.0133, 66.0212**.

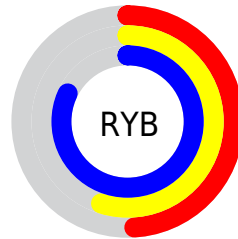
Distribution



Red (49%)

Green (56%)

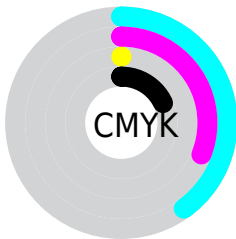
Blue (82%)



Red (49%)

Yellow (55%)

Blue (82%)

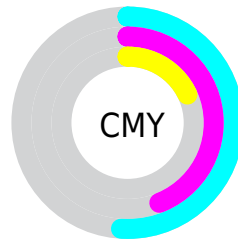


Cyan (40%)

Magenta (31%)

Yellow (0%)

Black (18%)



Cyan (51%)

Magenta (44%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0636, 28.9596, 64.9780 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 30.0636, 28.9596, 64.9780 by changing the saturation by 10% instead.

■ 30.0636, 28.9596,
64.9780

■ 30.0636, 28.9596,
64.9780

294.1053,
297.0243, 461.0170

■ 20.0352, 19.0503,
46.9920

■ 59.1487, 58.0129,
113.6312

■ 12.5290, 11.7066,
32.6750

■ 78.9361, 77.9256,
145.1355

■ 7.1798, 6.5442,
21.6085

■ 102.7071,
101.9416, 181.9830

■ 3.6221, 3.1787,
13.3740

130.8272,
130.4453, 224.5922

■ 1.4907, 1.2257,
7.5528

163.6618,
163.8210, 273.3816

■ 0.3195, 0.0826,
3.7265

201.5760,

■ 0.0000, 0.0000,

202.4531, 328.7699

1.4766

244.9354,
246.7261, 391.1755

■ 0.0000, 0.0000,
0.2004

■ 0.0000, 0.0000,
0.0000

■ 30.0636, 28.9596,
64.9780

■ 30.0636, 28.9596,
64.9780

■ 25.0219, 22.9556,
64.0854

■ 36.1121, 36.0133,
66.0212

■ 20.9277, 17.9465,
63.3343

■ 43.2164, 44.1615,
67.2196

■ 17.7196, 13.8769,
62.7179

■ 51.4256, 53.4501,
68.5798

■ 15.3275, 10.6846,
62.2278

■ 60.7850, 63.9217,
70.1077

■ 13.6699, 8.2986,
61.8546

■ 71.3372, 75.6163,
71.8088

■ 12.6470, 6.6813,
61.5963

■ 83.1228, 88.5722,
73.6884

■ 88.6330, 97.4332,
75.1083

Harmonies

Analogous

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



25.2254, 28.9596, 65.0987



30.0636, 28.9596, 64.9780



34.7076, 28.9596, 54.3140

Triad

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



30.0636, 28.9596, 64.9780



34.6248, 28.9596, 16.0914



19.4482, 28.9596, 25.2272

Complementary

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



30.0636, 28.9596, 64.9780



48.9119, 52.4454, 26.9485

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.



21.4091, 28.9596, 16.2217



30.0636, 28.9596, 64.9780



29.9608, 28.9596, 12.0996

Square

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



30.0636, 28.9596, 64.9780



37.5443, 28.9596, 24.9884



25.1339, 28.9596, 12.1389



19.4689, 28.9596, 39.1287

Rectangle

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



30.0636, 28.9596, 64.9780



36.9057, 28.9596, 44.0678



25.1339, 28.9596, 12.1389



19.8864, 28.9596, 21.6324

Sweetspot

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



30.0646, 28.9607, 64.9787



77.5576, 80.4173, 106.0421



40.8175, 54.1790, 57.1180



16.2271, 16.7915, 22.6358



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.



30.0646, 28.9607, 64.9787



39.4867, 36.4161, 99.5556



31.1202, 25.5867, 64.2718



11.3750, 11.8402, 14.9295



7.7768, 4.2002, 37.5933



0.4957, 0.3567, 2.1223

Inverse Universe

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



38.9469, 30.3837, 30.1984



55.3990, 39.7064, 37.0822



47.3243, 58.1815, 28.1393



11.9154, 11.8509, 12.8303



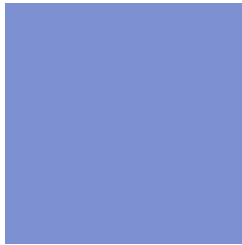
16.5561, 8.4953, 2.5687



0.9565, 0.4873, 0.3055

Previews

White Background



This preview shows how the XYZ color 30.0636, 28.9596, 64.9780 looks on a white background.

Color Contrast Check

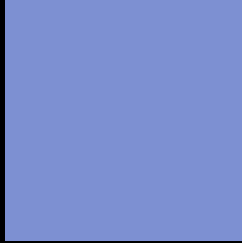
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0636, 28.9596, 64.9780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

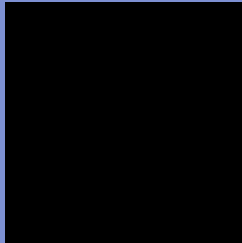
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0636, 28.9596, 64.9780

Background



This preview shows how black text looks on a background with the XYZ color 30.0636, 28.9596, 64.9780.



This preview shows how white text looks on a background with the XYZ color 30.0636, 28.9596,

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

30.0636, 28.9596, 64.9780

Protanopia

30.0636, 28.9596, 64.9780

Deuteranopia

29.7843, 29.0415, 65.0085



Tritanopia

25.1222, 29.0765, 39.8856

Trichromacy



Original Color

30.0636, 28.9596, 64.9780

Protanomaly

30.0636, 28.9596, 64.9780

Deuteranomaly

29.9266, 29.1149, 65.0152

Tritanomaly

26.7180, 29.0004, 47.9055

Monochromacy



Original Color

30.0636, 28.9596, 64.9780

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.7681, 28.5186, 41.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0636, 28.9596, 64.9780 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(125, 144, 210)` looks like.

```
.text, #text, p{  
    color:rgb(125, 144, 210)  
}
```

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(125, 144, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 144, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.0636, 28.9596, 64.9780 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(125, 144, 210) }
```


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

```
.border{ border-color:rgb(125, 144, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 144, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 144, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 144, 210);  
box-shadow:4px 4px 4px 4px rgb(125, 144,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0636, 28.9596, 64.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 144, 210) }
```

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

```
.background{ background-color: rgb(125,  
144, 210) }
```

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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