

Converting Colors

XYZ(28.0779, 29.0769, 67.1372)

Have a look what the booklet for
XYZ(28.0779, 29.0769, 67.1372)
contains.

XYZ(28.0132, 29.0083, 67.0735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.0132, 29.0083,
67.0735)**

Conversions

Conversions Part 1

Format	Color
Hex	6495D5
RGB	100, 149, 213
RGB Percent	39%, 58%, 84%
CMY	0.6078, 0.4157, 0.1647
CMYK	0.53, 0.30, 0.00, 0.16
HSL	214°, 57%, 61%
HSV	214°, 53%, 84%
XYZ	28.0132, 29.0083, 67.0735
YIQ	141.6450, -49.7480, 9.5160

Conversions

Conversions Part 2

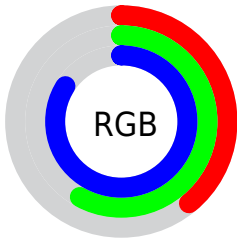
Format	Color
R _Y B	100, 134, 213
Decimal	6591957
CIE Lab	60.79, 1.76, -37.78
CIE LCh	61, 37.820, 272.664
Yxy	29.0083, 0.2257, 0.2338
Android (android.graphics.Color)	4284782037 (0xFF6495D5)
YUV	141.6450, 35.1780, -36.5227
Hunter-Lab	53.8594, -1.4129, -36.1350

Details

The XYZ color **28.0132, 29.0083, 67.0735** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.0175, 41.6188, 17.8239**, and the grayscale version is **25.4517, 26.7772, 29.1604**.

A 20% lighter version of the original color is **53.3106, 57.1000, 102.8194**, and **11.4327, 11.8044, 34.0237** is the 20% darker color. If you saturate the color by 10%, you get **24.1472, 24.3275, 66.3743**, and if you desaturate by 10%, it is **32.6948, 34.4040, 67.8688**.

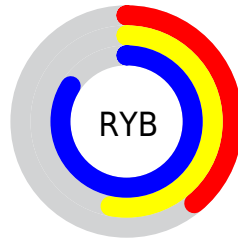
Distribution



Red (39%)

Green (58%)

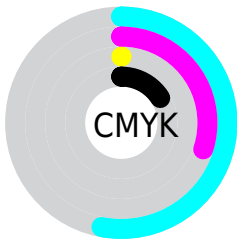
Blue (84%)



Red (39%)

Yellow (53%)

Blue (84%)

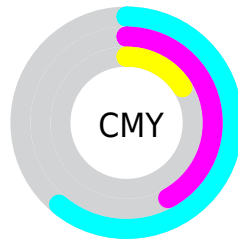


Cyan (53%)

Magenta (30%)

Yellow (0%)

Black (16%)



Cyan (61%)

Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0132, 29.0083, 67.0735 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 28.0132, 29.0083, 67.0735 by changing the saturation by 10% instead.

■ 28.0132, 29.0083,
67.0735

■ 28.0132, 29.0083,
67.0735

284.6089,
297.2541, 468.7150

■ 18.4761, 19.0871,
48.6824

■ 55.9140, 58.0903,
116.6674

■ 11.3941, 11.7332,
34.0038

■ 75.0084, 78.0198,
148.7072

■ 6.4018, 6.5623,
22.6191

■ 98.0194, 102.0543,
186.1337

■ 3.1339, 3.1899,
14.1099

■ 125.3122,
130.5781, 229.3654

■ 1.2250, 1.2317,
8.0575

157.2522,
163.9756, 278.8208

■ 0.1259, 0.0873,
4.0435

194.2047,

■ 0.0000, 0.0000,

202.6311, 334.9185

1.6492

236.5352,
246.9292, 398.0771

■ 0.0000, 0.0000,
0.3256

■ 0.0000, 0.0000,
0.0000

■ 28.0132, 29.0083,
67.0735

■ 28.0132, 29.0083,
67.0735

■ 24.1472, 24.3275,
66.3743

■ 32.6948, 34.4040,
67.8688

■ 21.0386, 20.3213,
65.7649

■ 38.2384, 40.5457,
68.7621

■ 18.6255, 16.9490,
65.2412

■ 44.6903, 47.4658,
69.7577

■ 16.8333, 14.1622,
64.7977

■ 52.0925, 55.1938,
70.8593

■ 15.8688, 12.5211,
64.5318

■ 60.4841, 63.7576,
72.0699

■ 69.9022, 73.1834,
73.3929

■ 80.3815, 83.4963,
74.8312

■ 86.0585, 91.6804,
76.1117

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



23.4552, 29.0083, 62.2486



28.0132, 29.0083, 67.0735



32.9936, 29.0083, 60.2916

Triad

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



28.0132, 29.0083, 67.0735



36.3181, 29.0083, 19.1126



19.9989, 29.0083, 20.7146

Complementary

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



28.0132, 29.0083, 67.0735



43.0175, 41.6188, 17.8239

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.



22.7786, 29.0083, 13.8386



28.0132, 29.0083, 67.0735



32.1433, 29.0083, 13.1254

Square

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



28.0132, 29.0083, 67.0735



38.1313, 29.0083, 30.3435



27.1345, 29.0083, 11.5280



19.1670, 29.0083, 32.8601

Rectangle

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



28.0132, 29.0083, 67.0735



35.7897, 29.0083, 51.0099



27.1345, 29.0083, 11.5280



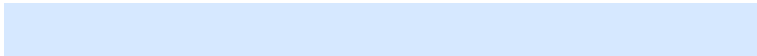
20.7188, 29.0083, 17.8486

Sweetspot

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



28.0142, 29.0093, 67.0742



74.6661, 79.1985, 105.9593



35.5858, 52.9126, 42.5913



15.4810, 16.4301, 22.6053



0.0000, 0.0000, 0.0000



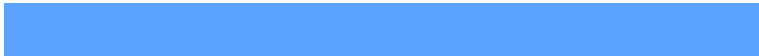
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0142, 29.0093, 67.0742



35.4640, 35.5257, 99.5957



22.4710, 16.9626, 65.0411



12.1811, 12.8856, 15.7827



9.7908, 7.8433, 39.4510



0.6720, 0.6359, 2.4066

Inverse Universe

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



37.4235, 25.4316, 31.3710



51.6219, 31.5085, 37.8080



51.9253, 61.8252, 21.2546



12.6446, 12.5093, 14.0688



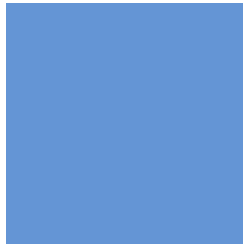
18.0008, 9.1366, 7.3081



1.1268, 0.5675, 0.6572

Previews

White Background



This preview shows how the XYZ color 28.0132, 29.0083, 67.0735 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 28.0132, 29.0083, 67.0735 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 28.0132, 29.0083, 67.0735

Background



This preview shows how black text looks on a background with the XYZ color 28.0132, 29.0083, 67.0735.

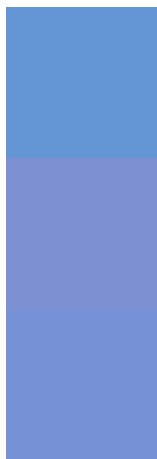


This preview shows how white text looks on a background with the XYZ color 28.0132, 29.0083,

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

28.0132, 29.0083, 67.0735

Protanopia

29.9393, 28.9099, 64.3238

Deuteranopia

29.7342, 28.9574, 67.6405



Tritanopia

23.0590, 28.9475, 42.4023

Trichromacy



Original Color

28.0132, 29.0083, 67.0735

Protanomaly

29.1142, 28.9239, 65.0212

Deuteranomaly

28.9720, 28.7923, 67.6488

Tritanomaly

24.6350, 28.8300, 50.7207

Monochromacy



Original Color

28.0132, 29.0083, 67.0735

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.9457, 27.5900, 41.0037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0132, 29.0083, 67.0735 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(100, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(100, 149, 213)  
}
```

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(100, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 149, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.0132, 29.0083, 67.0735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

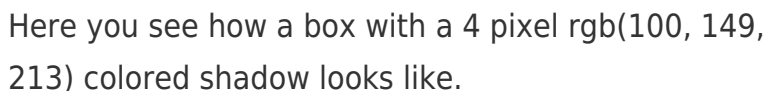
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 149, 213) }
```


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

```
.border{ border-color:rgb(100, 149, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 149, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(100, 149,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0132, 29.0083, 67.0735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 149, 213) }
```

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

```
.background{ background-color: rgb(100,  
149, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor