

Converting Colors

XYZ(27.4075, 28.2396, 65.4622)

Have a look what the booklet for
XYZ(27.4075, 28.2396, 65.4622)
contains.

XYZ(27.4471, 28.2799, 65.6400)	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(27.4471, 28.2799,
65.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	6493D3
RGB	100, 147, 211
RGB Percent	39%, 58%, 83%
CMY	0.6078, 0.4235, 0.1725
CMYK	0.53, 0.30, 0.00, 0.17
HSL	215°, 56%, 61%
HSV	215°, 53%, 83%
XYZ	27.4471, 28.2799, 65.6400
YIQ	140.2430, -48.5560, 9.9400

Conversions

Conversions Part 2

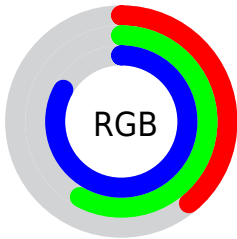
Format	Color
R _Y B	100, 133, 211
Decimal	6591443
CIE Lab	60.14, 2.30, -37.68
CIE LCh	60, 37.746, 273.486
Yxy	28.2799, 0.2261, 0.2330
Android (android.graphics.Color)	4284781523 (0xFF6493D3)
YUV	140.2430, 34.8832, -35.2931
Hunter-Lab	53.1788, -0.9341, -35.9580

Details

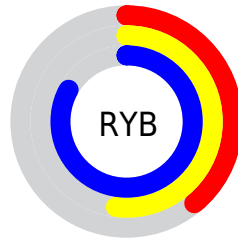
The XYZ color **27.4471, 28.2799, 65.6400** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.4408, 41.3215, 17.7968**, and the grayscale version is **24.9047, 26.2017, 28.5337**.

A 20% lighter version of the original color is **52.8413, 56.1614, 102.6629**, and **11.1121, 11.3810, 33.0636** is the 20% darker color. If you saturate the color by 10%, you get **23.6157, 23.6436, 64.9476**, and if you desaturate by 10%, it is **32.0850, 33.6299, 66.4288**.

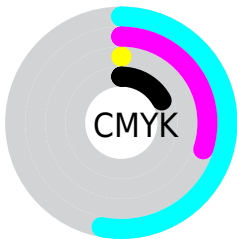
Distribution



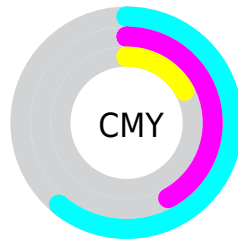
- Red (39%)
- Green (58%)
- Blue (83%)



- Red (39%)
- Yellow (52%)
- Blue (83%)



- Cyan (53%)
- Magenta (30%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (42%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4471, 28.2799, 65.6400 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 27.4471, 28.2799, 65.6400 by changing the saturation by 10% instead.

■ 27.4471, 28.2799,
65.6400

■ 27.4471, 28.2799,
65.6400

281.9437,
293.8020, 463.4573

■ 18.0476, 18.5368,
47.5256

■ 55.0153, 56.9310,
114.5916

■ 11.0841, 11.3360,
33.0940

■ 73.9148, 76.6078,
146.2658

■ 6.1911, 6.2933,
21.9268

■ 96.7116, 100.3645,
183.2970

■ 3.0034, 3.0243,
13.6053

■ 123.7712,
128.5856, 226.1038

■ 1.1556, 1.1444,
7.7111

155.4588,
161.6556, 275.1047

■ 0.0708, 0.0156,
3.8255

192.1398,

■ 0.0000, 0.0000,

199.9587, 330.7182

1.5301

234.1797,
243.8793, 393.3629

■ 0.0000, 0.0000,
0.2402

■ 0.0000, 0.0000,
0.0000

■ 27.4471, 28.2799,
65.6400

■ 27.4471, 28.2799,
65.6400

■ 23.6157, 23.6436,
64.9476

■ 32.0850, 33.6299,
66.4288

■ 20.5337, 19.6811,
64.3452

■ 37.5747, 39.7244,
67.3158

■ 18.1409, 16.3520,
63.8287

■ 43.9617, 46.5957,
68.3054

■ 16.3644, 13.6087,
63.3928

■ 51.2871, 54.2731,
69.4012

■ 15.3588, 11.9048,
63.1170

■ 59.5895, 62.7843,
70.6065

■ 68.9050, 72.1555,
71.9243

■ 79.2680, 82.4117,
73.3578

■ 85.4482, 90.8636,
74.6634

■ 88.7580, 97.4832,
75.7667

Harmonies

Analogous

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



22.9480, 28.2799, 61.1986



27.4471, 28.2799, 65.6400



32.3277, 28.2799, 58.6808

Triad

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



27.4471, 28.2799, 65.6400



35.3797, 28.2799, 18.3394



19.4052, 28.2799, 20.3918

Complementary

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



27.4471, 28.2799, 65.6400



42.4408, 41.3215, 17.7968

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.



22.0801, 28.2799, 13.5275



27.4471, 28.2799, 65.6400



31.2355, 28.2799, 12.6154

Square

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



27.4471, 28.2799, 65.6400



37.2396, 28.2799, 29.2050



26.3192, 28.2799, 11.1613



18.6442, 28.2799, 32.4355

Rectangle

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



27.4471, 28.2799, 65.6400



35.0432, 28.2799, 49.4540



26.3192, 28.2799, 11.1613



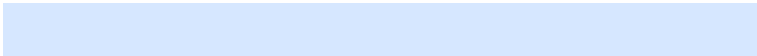
20.0932, 28.2799, 17.5376

Sweetspot

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



27.4481, 28.2809, 65.6407



74.5491, 78.9645, 105.9203



35.1527, 51.9394, 42.7772



15.4532, 16.3746, 22.5961



0.0000, 0.0000, 0.0000



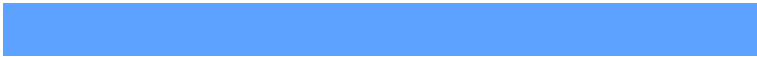
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4481, 28.2809, 65.6407



35.6879, 35.5899, 99.5963



22.4278, 16.9694, 63.7220



11.5692, 12.2287, 14.9943



9.3657, 7.3780, 38.1230



0.6015, 0.5682, 2.1575

Inverse Universe

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



36.6885, 25.0710, 30.5101



51.8286, 31.9497, 37.7910



50.3876, 60.2903, 21.0393



12.0135, 11.8901, 13.3467



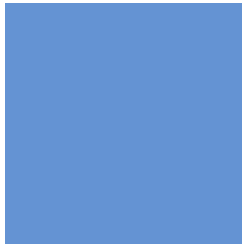
17.3581, 8.8161, 6.7920



1.0098, 0.5087, 0.5866

Previews

White Background



This preview shows how the XYZ color 27.4471, 28.2799, 65.6400 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 27.4471, 28.2799, 65.6400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

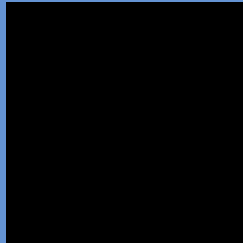
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4471, 28.2799, 65.6400

Background



This preview shows how black text looks on a background with the XYZ color 27.4471, 28.2799, 65.6400.

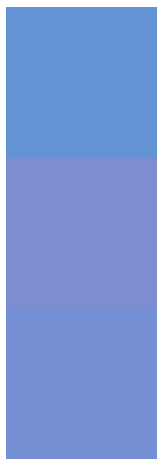


This preview shows how white text looks on a background with the XYZ color 27.4471, 28.2799,

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

27.4471, 28.2799, 65.6400

Protanopia

29.2477, 28.1361, 62.9208

Deuteranopia

28.9086, 28.1114, 66.1897



Tritanopia

22.5355, 28.2011, 41.3014

Trichromacy



Original Color

27.4471, 28.2799, 65.6400

Protanomaly

28.4287, 28.1454, 63.6088

Deuteranomaly

28.2873, 28.0150, 66.2039

Tritanomaly

24.0964, 28.0908, 49.4995

Monochromacy



Original Color

27.4471, 28.2799, 65.6400

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.1628, 26.7581, 39.9150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4471, 28.2799, 65.6400 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, 147, 211)` looks like.

```
.text, #text, p{  
    color:rgb(100, 147, 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(100, 147, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 147, 211) }
```

Border

The CSS property to change the border of an element to XYZ 27.4471, 28.2799, 65.6400 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, 147, 211) }
```


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

```
.border{ border-color:rgb(100, 147, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 147, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 147, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 147, 211);  
box-shadow:4px 4px 4px 4px rgb(100, 147,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4471, 28.2799, 65.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 147, 211) }
```

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

```
.background{ background-color: rgb(100,  
147, 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](#).

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