

Converting Colors

XYZ(27.8062, 30.5360, 70.0741)

Have a look what the booklet for
XYZ(27.8062, 30.5360, 70.0741)
contains.

XYZ(27.8062, 30.5360, 70.0741)	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(27.8062, 30.5360,
70.0741)**

Conversions

Conversions Part 1

Format	Color
Hex	519CD9
RGB	81, 156, 217
RGB Percent	32%, 61%, 85%
CMY	0.6823, 0.3882, 0.1490
CMYK	0.63, 0.28, 0.00, 0.15
HSL	207°, 64%, 58%
HSV	207°, 63%, 85%
XYZ	27.8062, 30.5360, 70.0741
YIQ	140.5290, -64.2810, 3.0710

Conversions

Conversions Part 2

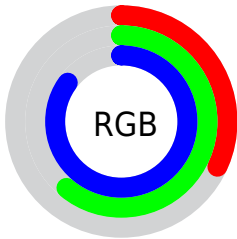
Format	Color
R _Y B	81, 129, 217
Decimal	5348569
CIE Lab	62.11, -4.77, -38.00
CIE LCh	62, 38.294, 262.837
Yxy	30.5360, 0.2165, 0.2378
Android (android.graphics.Color)	4283538649 (0xFF519CD9)
YUV	140.5290, 37.7002, -52.2069
Hunter-Lab	55.2594, -6.8838, -36.5037

Details

The XYZ color **27.8062, 30.5360, 70.0741** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.7750, 34.6940, 12.3864**, and the grayscale version is **25.0100, 26.3124, 28.6542**.

A 20% lighter version of the original color is **52.0811, 58.9759, 103.2463**, and **11.5732, 12.7118, 36.0261** is the 20% darker color. If you saturate the color by 10%, you get **24.6667, 26.5897, 69.4785**, and if you desaturate by 10%, it is **31.6727, 35.0525, 70.7427**.

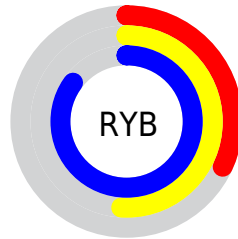
Distribution



Red (32%)

Green (61%)

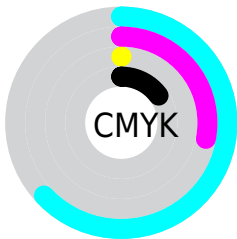
Blue (85%)



Red (32%)

Yellow (51%)

Blue (85%)

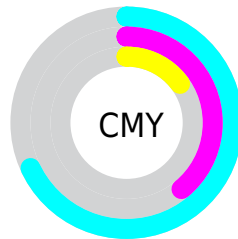


Cyan (63%)

Magenta (28%)

Yellow (0%)

Black (15%)



Cyan (68%)

Magenta (39%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8062, 30.5360, 70.0741 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 27.8062, 30.5360, 70.0741 by changing the saturation by 10% instead.

■ 27.8062, 30.5360,
70.0741

■ 27.8062, 30.5360,
70.0741

283.6366,
304.3949, 479.6063

■ 18.3193, 20.2458,
51.1098

■ 55.5857, 60.5088,
120.9965

■ 11.2806, 12.5738,
35.9186

■ 74.6090, 80.9602,
153.7917

■ 6.3246, 7.1357,
24.0822

■ 97.5419, 105.5674,
192.0342

■ 3.0859, 3.5471,
15.1818

■ 124.7496,
134.7149, 236.1427

■ 1.1994, 1.4236,
8.7991

156.5976,
168.7869, 286.5356

■ 0.1059, 0.2340,
4.5153

193.4512,

■ 0.0000, 0.0000,

208.1681, 343.6314

1.9121

235.6758,
253.2426, 407.8488

■ 0.0000, 0.0000,
0.5004

■ 0.0000, 0.0000,
0.0000

■ 27.8062, 30.5360,
70.0741

■ 27.8062, 30.5360,
70.0741

■ 24.6667, 26.5897,
69.4785

■ 31.6727, 35.0525,
70.7427

■ 22.1891, 23.1739,
68.9497

■ 36.3171, 40.1681,
71.4853

■ 20.3004, 20.2467,
68.4843

■ 41.7891, 45.9133,
72.3059

■ 19.2009, 18.3626,
68.1786

■ 48.1328, 52.3150,
73.2072

■ 55.3893, 59.3983,
74.1919

■ 63.5968, 67.1867,
75.2626

■ 72.7911, 75.7025,
76.4218

■ 83.0063, 84.9670,
77.6716

■ 85.9958, 90.7325,
78.6269

Harmonies

Analogous

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



23.4429, 30.5360, 61.3588



27.8062, 30.5360, 70.0741



33.0392, 30.5360, 66.8346

Triad

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



27.8062, 30.5360, 70.0741



39.1404, 30.5360, 23.4110



21.8253, 30.5360, 18.8902

Complementary

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



27.8062, 30.5360, 70.0741



39.7750, 34.6940, 12.3864

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.



25.3472, 30.5360, 13.3615



27.8062, 30.5360, 70.0741



35.4262, 30.5360, 15.3813

Square

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



27.8062, 30.5360, 70.0741



39.9998, 30.5360, 36.9117



30.2759, 30.5360, 12.3007



20.2649, 30.5360, 29.8361

Rectangle

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



27.8062, 30.5360, 70.0741



36.2909, 30.5360, 58.6832



30.2759, 30.5360, 12.3007



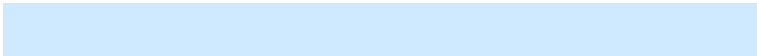
22.7976, 30.5360, 16.4863

Sweetspot

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



27.8073, 30.5371, 70.0749



72.8714, 78.8504, 105.9867



32.9361, 53.2674, 33.3328



14.9758, 16.2647, 22.6000



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.



27.8073, 30.5371, 70.0749



34.3763, 36.7580, 99.8909



19.5809, 14.0843, 67.3327



12.9310, 13.8017, 16.6346



11.7301, 11.3297, 41.3070



0.8455, 0.9051, 2.7046

Inverse Universe

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



37.5594, 23.0382, 33.9206



50.2411, 27.7713, 40.3549



52.6410, 60.4259, 16.6750



13.3550, 13.1711, 15.1308



19.4161, 9.7675, 11.8374



1.3011, 0.6501, 0.9943

Previews

White Background



This preview shows how the XYZ color 27.8062, 30.5360, 70.0741 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 27.8062, 30.5360, 70.0741 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

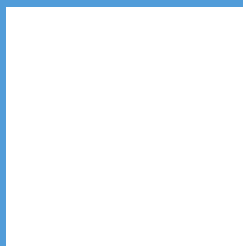
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8062, 30.5360, 70.0741

Background



This preview shows how black text looks on a background with the XYZ color 27.8062, 30.5360, 70.0741.

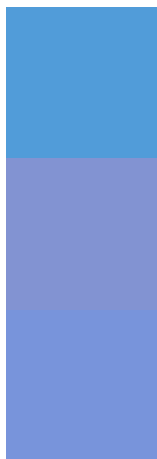


This preview shows how white text looks on a background with the XYZ color 27.8062, 30.5360,

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

27.8062, 30.5360, 70.0741

Protanopia

31.2725, 30.2664, 65.1665

Deuteranopia

31.1218, 30.2874, 71.2236



Tritanopia

23.1357, 30.7173, 46.3046

Trichromacy



Original Color

27.8062, 30.5360, 70.0741

Protanomaly

29.5987, 30.0615, 67.1932

Deuteranomaly

29.6654, 30.2593, 70.6068

Tritanomaly

24.6432, 30.5245, 54.4621

Monochromacy



Original Color

27.8062, 30.5360, 70.0741

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.0481, 27.3443, 41.4939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8062, 30.5360, 70.0741 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(81, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(81, 156, 217)  
}
```

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(81, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 156, 217) }
```

Border

The CSS property to change the border of an element to XYZ 27.8062, 30.5360, 70.0741 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(81, 156, 217) }
```


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

```
.border{ border-color:rgb(81, 156, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 156, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(81, 156,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8062, 30.5360, 70.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 156, 217) }
```

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

```
.background{ background-color: rgb(81, 156,  
217) }
```

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