

Converting Colors

XYZ(27.9313, 28.9187, 68.4004)

Have a look what the booklet for
XYZ(27.9313, 28.9187, 68.4004)
contains.

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Color

**XYZ(27.9430, 28.9426,
68.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	6195D7
RGB	97, 149, 215
RGB Percent	38%, 58%, 84%
CMY	0.6196, 0.4157, 0.1569
CMYK	0.55, 0.31, 0.00, 0.16
HSL	214°, 60%, 61%
HSV	214°, 55%, 84%
XYZ	27.9430, 28.9426, 68.4037
YIQ	140.9760, -52.1780, 9.5020

Conversions

Conversions Part 2

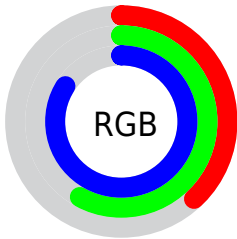
Format	Color
R_{YB}	97, 133, 215
Decimal	6395351
CIE Lab	60.73, 1.73, -39.00
CIE LCh	61, 39.035, 272.540
Yxy	28.9426, 0.2230, 0.2310
Android (android.graphics.Color)	4284585431 (0xFF6195D7)
YUV	140.9760, 36.4938, -38.5670
Hunter-Lab	53.7983, -1.4337, -37.7274

Details

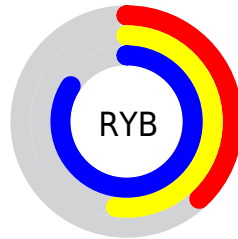
The XYZ color **27.9430, 28.9426, 68.4037** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.2806, 41.5065, 17.0412**, and the grayscale version is **25.1853, 26.4969, 28.8551**.

A 20% lighter version of the original color is **52.9235, 56.9004, 102.8013**, and **11.4027, 11.7688, 34.9283** is the 20% darker color. If you saturate the color by 10%, you get **24.1495, 24.3073, 67.7095**, and if you desaturate by 10%, it is **32.5557, 34.2929, 69.1939**.

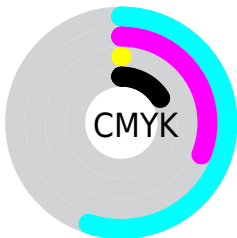
Distribution



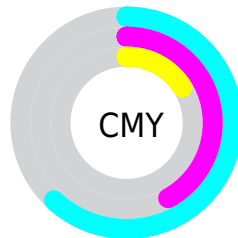
- Red (38%)
- Green (58%)
- Blue (84%)



- Red (38%)
- Yellow (52%)
- Blue (84%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (62%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9430, 28.9426, 68.4037 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 27.9430, 28.9426, 68.4037 by changing the saturation by 10% instead.

■ 27.9430, 28.9426,
68.4037

■ 27.9430, 28.9426,
68.4037

284.2795,
296.9440, 473.5619

■ 18.4229, 19.0374,
49.7575

■ 55.8027, 57.9859,
118.5891

■ 11.3556, 11.6973,
34.8509

■ 74.8731, 77.8927,
150.9655

■ 6.3756, 6.5379,
23.2654

■ 97.8575, 101.9023,
188.7556

■ 3.1176, 3.1748,
14.5825

■ 125.1215,
130.3989, 232.3780

■ 1.2163, 1.2237,
8.3835

157.0303,
163.7670, 282.2513

■ 0.1191, 0.0809,
4.2501

193.9494,

■ 0.0000, 0.0000,

202.3910, 338.7940

1.7635

236.2440,
246.6552, 402.4247

■ 0.0000, 0.0000,
0.4037

■ 0.0000, 0.0000,
0.0000

■ 27.9430, 28.9426,
68.4037

■ 27.9430, 28.9426,
68.4037

■ 24.1495, 24.3073,
67.7095

■ 32.5557, 34.2929,
69.1939

■ 21.1148, 20.3455,
67.1047

■ 38.0360, 40.3901,
70.0819

■ 18.7741, 17.0151,
66.5853

■ 44.4317, 47.2673,
71.0722

■ 17.0478, 14.2653,
66.1455

■ 51.7860, 54.9547,
72.1685

■ 16.3349, 13.0445,
65.9474

■ 60.1394, 63.4807,
73.3739

■ 69.5298, 72.8719,
74.6916

■ 79.9932, 83.1540,
76.1248

■ 86.2213, 91.5973,
77.4262

■ 89.2658, 97.6863,
78.4411

Harmonies

Analogous

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



23.2575, 28.9426, 63.3126



27.9430, 28.9426, 68.4037



33.0879, 28.9426, 61.3645

Triad

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



27.9430, 28.9426, 68.4037



36.5644, 28.9426, 18.7643



19.7397, 28.9426, 20.3210

Complementary

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



27.9430, 28.9426, 68.4037



43.2806, 41.5065, 17.0412

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.



22.5954, 28.9426, 13.3617



27.9430, 28.9426, 68.4037



32.2495, 28.9426, 12.6761

Square

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



27.9430, 28.9426, 68.4037



38.4323, 28.9426, 30.2934



27.0797, 28.9426, 11.0531



18.8806, 28.9426, 32.7661

Rectangle

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



27.9430, 28.9426, 68.4037



35.9877, 28.9426, 51.7068



27.0797, 28.9426, 11.0531



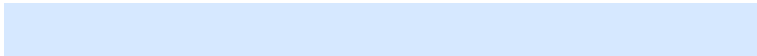
20.4791, 28.9426, 17.4099

Sweetspot

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



27.9441, 28.9436, 68.4044



74.7470, 79.3603, 105.9862



35.7441, 53.7482, 42.6279



15.5002, 16.4686, 22.6118



0.0000, 0.0000, 0.0000



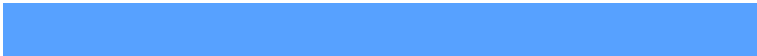
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9441, 28.9436, 68.4044



34.6736, 34.6739, 99.4730



22.1238, 16.3349, 66.2774



12.1884, 12.9003, 15.7851



9.8720, 8.0058, 39.4781



0.6771, 0.6462, 2.4084

Inverse Universe

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



37.7248, 25.1677, 31.3042



51.0450, 30.5963, 36.8705



52.7817, 63.0346, 20.6958



12.6483, 12.5108, 14.0883



18.0418, 9.1530, 7.5241



1.1294, 0.5686, 0.6709

Previews

White Background



This preview shows how the XYZ color 27.9430, 28.9426, 68.4037 looks on a white background.

Color Contrast Check

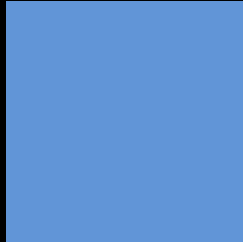
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9430, 28.9426, 68.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

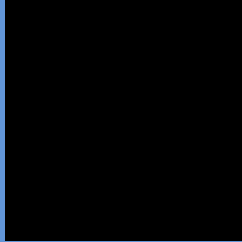
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9430, 28.9426, 68.4037

Background



This preview shows how black text looks on a background with the XYZ color 27.9430, 28.9426, 68.4037.

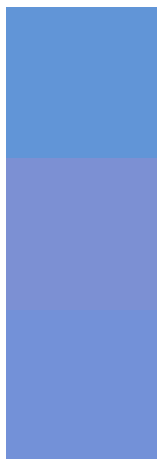


This preview shows how white text looks on a background with the XYZ color 27.9430, 28.9426,

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

27.9430, 28.9426, 68.4037

Protanopia

30.0433, 28.9348, 65.6295

Deuteranopia

29.5903, 28.8535, 68.9755



Tritanopia

22.7908, 29.0615, 42.4384

Trichromacy



Original Color

27.9430, 28.9426, 68.4037

Protanomaly

29.1020, 28.8886, 66.3296

Deuteranomaly

28.8579, 28.7038, 68.9852

Tritanomaly

24.4220, 28.9663, 50.7583

Monochromacy



Original Color

27.9430, 28.9426, 68.4037

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.4986, 27.1336, 40.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9430, 28.9426, 68.4037 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(97, 149, 215)` looks like.

```
.text, #text, p{  
    color:rgb(97, 149, 215)  
}
```

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(97, 149, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 149, 215) }
```

Border

The CSS property to change the border of an element to XYZ 27.9430, 28.9426, 68.4037 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(97, 149, 215) }
```


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

```
.border{ border-color:rgb(97, 149, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 149, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 149, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 149, 215);  
box-shadow:4px 4px 4px 4px rgb(97, 149,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9430, 28.9426, 68.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 149, 215) }
```

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

```
.background{ background-color: rgb(97, 149,  
215) }
```

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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