

Converting Colors

XYZ(30.2894, 29.2539, 69.5258)

Have a look what the booklet for
XYZ(30.2894, 29.2539, 69.5258)
contains.

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Color

**XYZ(30.2575, 29.1825,
69.6837)**

Conversions

Conversions Part 1

Format	Color
Hex	7791D9
RGB	119, 145, 217
RGB Percent	47%, 57%, 85%
CMY	0.5333, 0.4314, 0.1490
CMYK	0.45, 0.33, 0.00, 0.15
HSL	224°, 56%, 66%
HSV	224°, 45%, 85%
XYZ	30.2575, 29.1825, 69.6837
YIQ	145.4340, -38.6080, 16.8800

Conversions

Conversions Part 2

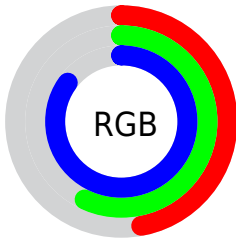
Format	Color
R_{YB}	119, 140, 217
Decimal	7836121
CIE Lab	60.94, 9.76, -39.69
CIE LCh	61, 40.876, 283.808
Yxy	29.1825, 0.2343, 0.2260
Android (android.graphics.Color)	4286026201 (0xFF7791D9)
YUV	145.4340, 35.2820, -23.1826
Hunter-Lab	54.0208, 5.4428, -38.6660

Details

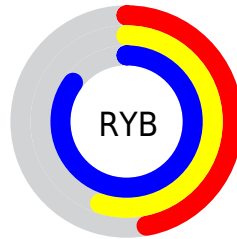
The XYZ color **30.2575, 29.1825, 69.6837** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.5769, 53.3465, 25.0852**, and the grayscale version is **26.9632, 28.3673, 30.8920**.

A 20% lighter version of the original color is **56.1526, 57.1808, 102.6852**, and **12.6637, 11.8498, 35.8022** is the 20% darker color. If you saturate the color by 10%, you get **25.3448, 23.2841, 68.8047**, and if you desaturate by 10%, it is **36.1941, 36.1173, 70.7099**.

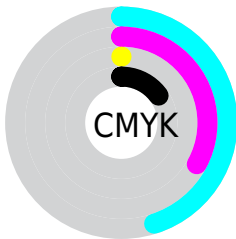
Distribution



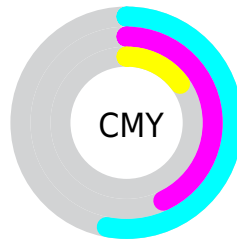
- Red (47%)
- Green (57%)
- Blue (85%)



- Red (47%)
- Yellow (55%)
- Blue (85%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2575, 29.1825, 69.6837 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 30.2575, 29.1825, 69.6837 by changing the saturation by 10% instead.

■ 30.2575, 29.1825,
69.6837

■ 30.2575, 29.1825,
69.6837

294.9912,
298.0751, 478.1977

■ 20.1832, 19.2189,
50.7935

■ 59.4530, 58.3669,
120.4345

■ 12.6373, 11.8286,
35.6687

■ 79.3049, 78.3565,
153.1321

■ 7.2545, 6.6271,
23.8908

■ 103.1466,
102.4570, 191.2693

■ 3.6695, 3.2300,
15.0412

131.3436,
131.0526, 235.2646

■ 1.5169, 1.2529,
8.7013

164.2612,
164.5279, 285.5366

■ 0.3373, 0.1043,
4.4528

202.2648,

■ 0.0000, 0.0000,

203.2671, 342.5037

1.8769

245.7197,
247.6547, 406.5846

■ 0.0000, 0.0000,
0.4780

■ 0.0000, 0.0000,
0.0000

■ 30.2575, 29.1825,
69.6837

■ 30.2575, 29.1825,
69.6837

■ 25.3448, 23.2841,
68.8047

■ 36.1941, 36.1173,
70.7099

■ 21.3917, 18.3663,
68.0638

■ 43.2072, 44.1339,
71.8876

■ 18.3314, 14.3728,
67.4543

■ 51.3494, 53.2786,
73.2236

■ 16.0861, 11.2393,
66.9678

■ 60.6690, 63.5941,
74.7235

■ 14.5628, 8.8912,
66.5948

■ 71.2114, 75.1208,
76.3927

■ 14.0160, 7.9927,
66.4502

■ 83.0194, 87.8971,
78.2365

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



24.9743, 29.1825, 69.1511



30.2575, 29.1825, 69.6837



35.4595, 29.1825, 58.0341

Triad

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



30.2575, 29.1825, 69.6837



35.8162, 29.1825, 15.4709



19.0079, 29.1825, 24.2678

Complementary

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



30.2575, 29.1825, 69.6837



50.5769, 53.3465, 25.0852

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.



21.2261, 29.1825, 14.9421



30.2575, 29.1825, 69.6837



30.6964, 29.1825, 11.0913

Square

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



30.2575, 29.1825, 69.6837



38.9361, 29.1825, 25.2676



25.3607, 29.1825, 10.9352



18.9221, 29.1825, 39.3130

Rectangle

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



30.2575, 29.1825, 69.6837



37.9951, 29.1825, 46.5821



25.3607, 29.1825, 10.9352



19.5146, 29.1825, 20.4938

Sweetspot

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



30.2586, 29.1836, 69.6844



75.3098, 78.2387, 105.7401



41.8108, 57.3042, 58.0714



15.5339, 16.0937, 22.5376



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.



30.2586, 29.1836, 69.6844



36.9543, 34.0784, 99.2378



30.2548, 23.9437, 68.6732



12.6183, 13.1763, 16.5304



8.5587, 4.9869, 40.2499



0.6248, 0.4637, 2.6310

Inverse Universe

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



40.3238, 29.9908, 30.4526



53.4550, 36.3801, 34.7031



50.4259, 62.4453, 26.8494



13.1972, 13.1080, 14.2996



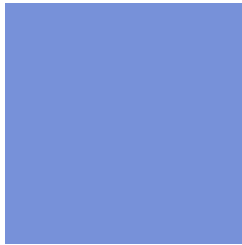
17.8154, 9.1272, 3.4078



1.1897, 0.6055, 0.4077

Previews

White Background



This preview shows how the XYZ color 30.2575, 29.1825, 69.6837 looks on a white background.

Color Contrast Check

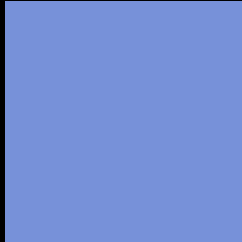
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2575, 29.1825, 69.6837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

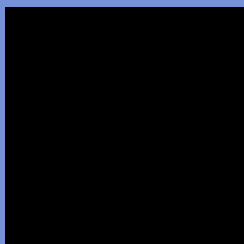
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

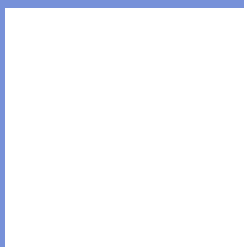
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2575, 29.1825, 69.6837

Background



This preview shows how black text looks on a background with the XYZ color 30.2575, 29.1825, 69.6837.



This preview shows how white text looks on a background with the XYZ color 30.2575, 29.1825,

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

30.2575, 29.1825, 69.6837

Protanopia

30.3940, 29.0420, 68.9695

Deuteranopia

30.0057, 29.2805, 69.7159



Tritanopia

24.5221, 29.2360, 40.9099

Trichromacy



Original Color

30.2575, 29.1825, 69.6837

Protanomaly

30.2531, 28.9693, 68.9629

Deuteranomaly

30.1394, 29.3494, 69.7221

Tritanomaly

26.2540, 28.9510, 50.1033

Monochromacy



Original Color

30.2575, 29.1825, 69.6837

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.6294, 28.4253, 42.5585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2575, 29.1825, 69.6837 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(119, 145, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 145, 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(119, 145, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 145, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.2575, 29.1825, 69.6837 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(119, 145, 217) }
```


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

```
.border{ border-color:rgb(119, 145, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 145, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 145, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 145, 217);  
box-shadow:4px 4px 4px 4px rgb(119, 145,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2575, 29.1825, 69.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 145, 217) }
```

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

```
.background{ background-color: rgb(119,  
145, 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](#).

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