

Converting Colors

XYZ(28.8561, 30.7837, 72.1311)

Have a look what the booklet for
XYZ(28.8561, 30.7837, 72.1311)
contains.

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Color

**XYZ(28.8561, 30.7837,
72.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9BDC
RGB	90, 155, 220
RGB Percent	35%, 61%, 86%
CMY	0.6470, 0.3921, 0.1373
CMYK	0.59, 0.30, 0.00, 0.14
HSL	210°, 65%, 61%
HSV	210°, 59%, 86%
XYZ	28.8561, 30.7837, 72.1311
YIQ	142.9750, -59.6050, 6.4350

Conversions

Conversions Part 2

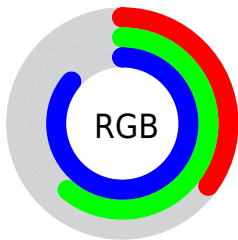
Format	Color
R_{YB}	90, 133, 220
Decimal	5938140
CIE _{Lab}	62.32, -1.56, -39.31
CIE _{LCh}	62, 39.337, 267.732
Yxy	30.7837, 0.2190, 0.2336
Android (android.graphics.Color)	4284128220 (0xFF5A9BDC)
YUV	142.9750, 37.9733, -46.4591
Hunter-Lab	55.4831, -4.2596, -38.2422

Details

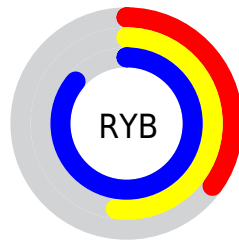
The XYZ color **28.8561, 30.7837, 72.1311** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **43.0835, 39.3986, 15.0084**, and the grayscale version is **25.9700, 27.3225, 29.7542**.

A 20% lighter version of the original color is **53.2449, 59.2105, 103.2302**, and **11.8799, 12.6884, 37.4203** is the 20% darker color. If you saturate the color by 10%, you get **25.2763, 26.3436, 71.4634**, and if you desaturate by 10%, it is **33.2380, 35.8859, 72.8856**.

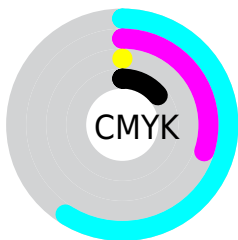
Distribution



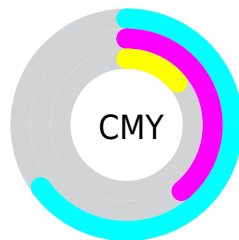
- Red (35%)
- Green (61%)
- Blue (86%)



- Red (35%)
- Yellow (52%)
- Blue (86%)



- Cyan (59%)
- Magenta (30%)
- Yellow (0%)
- Black (14%)



- Cyan (65%)
- Magenta (39%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8561, 30.7837, 72.1311 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 28.8561, 30.7837, 72.1311 by changing the saturation by 10% instead.

■ 28.8561, 30.7837,
72.1311

■ 28.8561, 30.7837,
72.1311

288.5419,
305.5406, 486.9876

■ 19.1157, 20.4342,
52.7783

■ 57.2475, 60.8994,
123.9524

■ 11.8584, 12.7111,
37.2393

■ 76.6293, 81.4343,
157.2579

■ 6.7189, 7.2299,
25.0956

■ 99.9555, 106.1332,
196.0514

■ 3.3317, 3.6063,
15.9286

■ 127.5917,
135.3804, 240.7514

■ 1.3315, 1.4559,
9.3198

159.9030,
169.5604, 291.7765

■ 0.2066, 0.2573,
4.8507

197.2549,

■ 0.0000, 0.0000,

209.0575, 349.5452

2.1027

240.0127,
254.2561, 414.4761

■ 0.0000, 0.0000,
0.6174

■ 0.0000, 0.0000,
0.0000

■ 28.8561, 30.7837,
72.1311

■ 28.8561, 30.7837,
72.1311

■ 25.2763, 26.3436,
71.4634

■ 33.2380, 35.8859,
72.8856

■ 22.4331, 22.5238,
70.8759

■ 38.4737, 41.6817,
73.7283

■ 20.2549, 19.2810,
70.3648

■ 44.6140, 48.2038,
74.6636

■ 18.6280, 16.5494,
69.9233

■ 51.7044, 55.4817,
75.6947

■ 18.4940, 16.3187,
69.8858

■ 59.7873, 63.5428,
76.8246

■ 68.9024, 72.4132,
78.0563

■ 79.0871, 82.1176,
79.3927

■ 86.2104, 90.5314,
80.6413

■ 89.6018, 97.3143,
81.7718

Harmonies

Analogous

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



24.1314, 30.7837, 64.8862



28.8561, 30.7837, 72.1311



34.2809, 30.7837, 66.7034

Triad

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



28.8561, 30.7837, 72.1311



39.2774, 30.7837, 21.6523



21.4351, 30.7837, 20.1863

Complementary

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



28.8561, 30.7837, 72.1311



43.0835, 39.3986, 15.0084

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.



24.7532, 30.7837, 13.7022



28.8561, 30.7837, 72.1311



35.0659, 30.7837, 14.3506

Square

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



28.8561, 30.7837, 72.1311



40.7144, 30.7837, 34.6908



29.6656, 30.7837, 11.9428



20.1832, 30.7837, 32.3724

Rectangle

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



28.8561, 30.7837, 72.1311



37.4987, 30.7837, 57.3310



29.6656, 30.7837, 11.9428



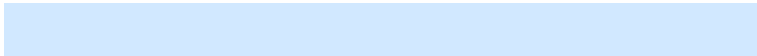
22.3244, 30.7837, 17.4251

Sweetspot

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



28.8572, 30.7848, 72.1319



73.2433, 78.5309, 105.9054



35.7273, 55.7275, 39.8855



15.0166, 16.1399, 22.5738



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.



28.8572, 30.7848, 72.1319



34.2304, 35.3943, 99.6354



20.7923, 14.6549, 69.4435



12.8739, 13.6875, 16.6156



10.9654, 9.8002, 41.0521



0.7966, 0.8073, 2.6883

Inverse Universe

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



39.0888, 24.8959, 33.7565



50.4291, 28.8483, 38.2565



56.9546, 67.1409, 19.6321



13.3262, 13.1596, 14.9790



19.0301, 9.6131, 9.8047



1.2764, 0.6402, 0.8643

Previews

White Background



This preview shows how the XYZ color 28.8561, 30.7837, 72.1311 looks on a white background.

Color Contrast Check

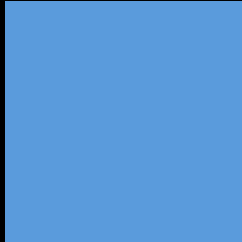
Large Text (above 18pt) WCAG AA × Fail

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 28.8561, 30.7837, 72.1311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

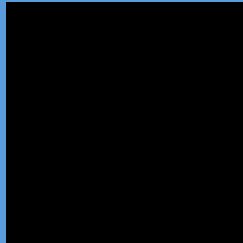
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8561, 30.7837, 72.1311

Background



This preview shows how black text looks on a background with the XYZ color 28.8561, 30.7837, 72.1311.

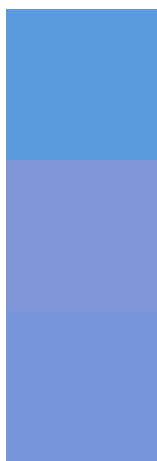


This preview shows how white text looks on a background with the XYZ color 28.8561, 30.7837,

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

28.8561, 30.7837, 72.1311

Protanopia

31.7808, 30.7020, 67.8694

Deuteranopia

31.4063, 30.6373, 72.6649



Tritanopia

23.6315, 30.7083, 46.2768

Trichromacy



Original Color

28.8561, 30.7837, 72.1311

Protanomaly

30.5315, 30.7359, 69.2892

Deuteranomaly

30.3021, 30.5418, 72.7047

Tritanomaly

25.3383, 30.6116, 55.0252

Monochromacy



Original Color

28.8561, 30.7837, 72.1311

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.0966, 28.0928, 42.5751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8561, 30.7837, 72.1311 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(90, 155, 220)` looks like.

```
.text, #text, p{  
    color:rgb(90, 155, 220)  
}
```

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(90, 155, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 155, 220) }
```

Border

The CSS property to change the border of an element to XYZ 28.8561, 30.7837, 72.1311 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(90, 155, 220) }
```


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

```
.border{ border-color:rgb(90, 155, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 155, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 155, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 155, 220);  
box-shadow:4px 4px 4px 4px rgb(90, 155,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8561, 30.7837, 72.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 155, 220) }
```

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

```
.background{ background-color: rgb(90, 155,  
220) }
```

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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