

Converting Colors

XYZ(29.9121, 28.0521, 72.2447)

Have a look what the booklet for XYZ(29.9121, 28.0521, 72.2447) contains.

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Color

**XYZ(29.9121, 28.0521,
72.2447)**

Conversions

Conversions Part 1

Format	Color
Hex	758DDD
RGB	117, 141, 221
RGB Percent	46%, 55%, 87%
CMY	0.5412, 0.4471, 0.1333
CMYK	0.47, 0.36, 0.00, 0.13
HSL	226°, 60%, 66%
HSV	226°, 47%, 87%
XYZ	29.9121, 28.0521, 72.2447
YIQ	142.9440, -39.9840, 19.7920

Conversions

Conversions Part 2

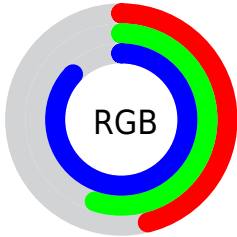
Format	Color
RYB	117, 137, 221
Decimal	7704029
CIELab	59.94, 12.79, -43.52
CIELCh	60, 45.357, 286.379
Yxy	28.0521, 0.2297, 0.2154
Android (android.graphics.Color)	4285894109 (0xFF758DDD)
YUV	142.9440, 38.4816, -22.7529
Hunter-Lab	52.9642, 8.1223, -43.7983

Details

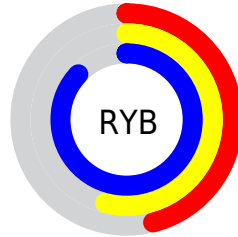
The XYZ color **29.9121, 28.0521, 72.2447** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **52.9971, 56.5906, 24.9608**, and the grayscale version is **25.9498, 27.3012, 29.7310**.

A 20% lighter version of the original color is **54.7973, 54.8022, 102.2975**, and **12.3961, 11.1594, 37.0980** is the 20% darker color. If you saturate the color by 10%, you get **24.9685, 22.0640, 71.3500**, and if you desaturate by 10%, it is **35.9435, 35.1730, 73.3018**.

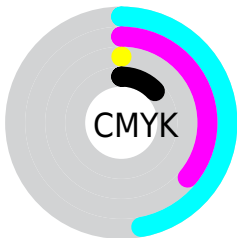
Distribution



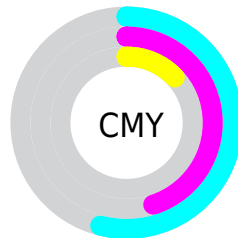
- Red (46%)
- Green (55%)
- Blue (87%)



- Red (46%)
- Yellow (54%)
- Blue (87%)



- Cyan (47%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (54%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9121, 28.0521, 72.2447 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 29.9121, 28.0521, 72.2447 by changing the saturation by 10% instead.

■ 29.9121, 28.0521,
72.2447

■ 29.9121, 28.0521,
72.2447

293.4117,
292.7158, 487.3933

■ 19.9196, 18.3649,
52.8705

■ 58.9107, 56.5676,
124.1153

■ 12.4446, 11.2123,
37.3124

■ 78.6476, 76.1647,
157.4489

■ 7.1215, 6.2098,
25.1518

■ 102.3633, 99.8340,
196.2726

■ 3.5852, 2.9731,
15.9701

130.4232,
127.9598, 241.0051

■ 1.4703, 1.1177,
9.3489

163.1926,
160.9264, 292.0649

■ 0.3055, 0.0000,
4.8695

201.0369,

■ 0.0000, 0.0000,

199.1184, 349.8704

2.1135

244.3215,
242.9200, 414.8404

■ 0.0000, 0.0000,
0.6238

■ 0.0000, 0.0000,
0.0000

■ 29.9121, 28.0521,
72.2447

■ 29.9121, 28.0521,
72.2447

■ 24.9685, 22.0640,
71.3500

■ 35.9435, 35.1730,
73.3018

■ 21.0419, 17.1450,
70.6075

■ 43.1210, 43.4799,
74.5269

■ 18.0579, 13.2292,
70.0089

■ 51.5026, 53.0259,
75.9277

■ 15.9294, 10.2412,
69.5444

■ 61.1412, 63.8599,
77.5109

■ 14.5469, 8.0909,
69.2022

■ 72.0867, 76.0284,
79.2828

■ 14.2350, 7.5879,
69.1215

■ 84.3860, 89.5753,
81.2493

■ 90.0513, 98.0005,
82.5770

Harmonies

Analogous

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



24.1366, 28.0521, 72.9491



29.9121, 28.0521, 72.2447



35.5187, 28.0521, 58.0951

Triad

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



29.9121, 28.0521, 72.2447



35.0639, 28.0521, 12.8450



17.2758, 28.0521, 23.6616

Complementary

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



29.9121, 28.0521, 72.2447



52.9971, 56.5906, 24.9608

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.



19.4166, 28.0521, 13.4611



29.9121, 28.0521, 72.2447



29.3591, 28.0521, 8.9140

Square

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



29.9121, 28.0521, 72.2447



38.7736, 28.0521, 22.4383



23.6575, 28.0521, 9.0891



17.3794, 28.0521, 40.3987

Rectangle

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



29.9121, 28.0521, 72.2447



38.1623, 28.0521, 45.1107



23.6575, 28.0521, 9.0891



17.7419, 28.0521, 19.5084

Sweetspot

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



29.9132, 28.0531, 72.2454



74.9702, 77.5596, 105.6269



43.2411, 59.5146, 61.8727



15.4521, 15.9299, 22.5103



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.



29.9132, 28.0531, 72.2454



34.9062, 30.9752, 98.7468



31.0438, 23.9399, 71.3919



12.5813, 13.1023, 16.5180



8.3408, 4.5511, 40.1772



0.6062, 0.4265, 2.6248

Inverse Universe

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



40.9887, 30.0190, 28.8341



52.1788, 34.9416, 30.8438



51.1286, 64.3706, 26.5610



13.1785, 13.1005, 14.2014



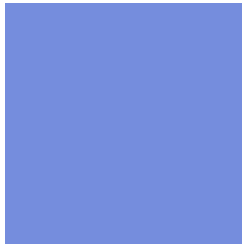
17.7054, 9.0832, 2.8287



1.1803, 0.6017, 0.3583

Previews

White Background



This preview shows how the XYZ color 29.9121, 28.0521, 72.2447 looks on a white background.

Color Contrast Check

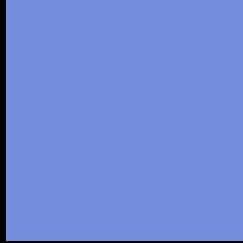
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9121, 28.0521, 72.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

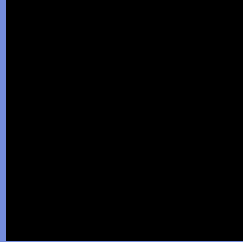
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9121, 28.0521, 72.2447

Background



This preview shows how black text looks on a background with the XYZ color 29.9121, 28.0521, 72.2447.



This preview shows how white text looks on a background with the XYZ color 29.9121, 28.0521,

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

29.9121, 28.0521, 72.2447

Protanopia

29.6463, 27.9150, 72.2322

Deuteranopia

28.8354, 28.1780, 71.6293



Tritanopia

23.5496, 28.2658, 39.8120

Trichromacy



Original Color

29.9121, 28.0521, 72.2447

Protanomaly

29.7785, 27.9832, 72.2384

Deuteranomaly

29.1711, 28.1272, 71.6018

Tritanomaly

25.5678, 28.1235, 49.9797

Monochromacy



Original Color

29.9121, 28.0521, 72.2447

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.8552, 27.3546, 42.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9121, 28.0521, 72.2447 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(117, 141, 221)` looks like.

```
.text, #text, p{  
    color:rgb(117, 141, 221)  
}
```

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(117, 141, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 141, 221) }
```

Border

The CSS property to change the border of an element to XYZ 29.9121, 28.0521, 72.2447 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(117, 141, 221) }
```


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

```
.border{ border-color:rgb(117, 141, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 141, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 141, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 141, 221);  
box-shadow:4px 4px 4px 4px rgb(117, 141,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9121, 28.0521, 72.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 141, 221) }
```

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

```
.background{ background-color: rgb(117,  
141, 221) }
```

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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