

Converting Colors

XYZ(28.9916, 28.2711, 75.1628)

Have a look what the booklet for
XYZ(28.9916, 28.2711, 75.1628)
contains.

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Color

**XYZ(28.9307, 28.1495,
75.1427)**

Conversions

Conversions Part 1

Format	Color
Hex	6590E1
RGB	101, 144, 225
RGB Percent	40%, 56%, 88%
CMY	0.6039, 0.4353, 0.1176
CMYK	0.55, 0.36, 0.00, 0.12
HSL	219°, 67%, 64%
HSV	219°, 55%, 88%
XYZ	28.9307, 28.1495, 75.1427
YIQ	140.3770, -51.6290, 16.0750

Conversions

Conversions Part 2

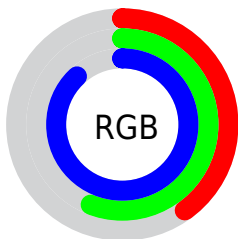
Format	Color
R _Y B	101, 133, 225
Decimal	6656225
CIE Lab	60.02, 8.65, -45.67
CIE LCh	60, 46.479, 280.727
Yxy	28.1495, 0.2188, 0.2129
Android (android.graphics.Color)	4284846305 (0xFF6590E1)
YUV	140.3770, 41.7191, -34.5336
Hunter-Lab	53.0561, 4.4852, -46.8324

Details

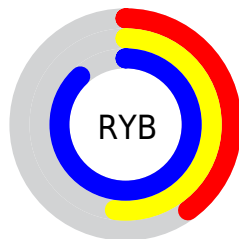
The XYZ color **28.9307, 28.1495, 75.1427** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.1297, 50.4052, 19.4005**, and the grayscale version is **24.9320, 26.2304, 28.5649**.

A 20% lighter version of the original color is **52.3143, 54.5234, 102.3746**, and **11.8573, 11.2273, 39.0783** is the 20% darker color. If you saturate the color by 10%, you get **24.6646, 22.8582, 74.3468**, and if you desaturate by 10%, it is **34.1783, 34.3779, 76.0689**.

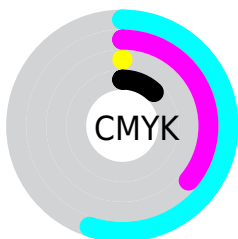
Distribution



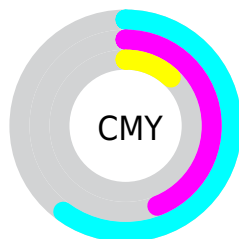
- Red (40%)
- Green (56%)
- Blue (88%)



- Red (40%)
- Yellow (52%)
- Blue (88%)



- Cyan (55%)
- Magenta (36%)
- Yellow (0%)
- Black (12%)



- Cyan (60%)
- Magenta (44%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9307, 28.1495, 75.1427 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 28.9307, 28.1495, 75.1427 by changing the saturation by 10% instead.

■ 28.9307, 28.1495,
75.1427

■ 28.9307, 28.1495,
75.1427

288.8879,
293.1806, 497.6764

■ 19.1724, 18.4384,
55.2274

■ 57.3653, 56.7230,
128.2633

■ 11.8997, 11.2652,
39.1840

■ 76.7723, 76.3542,
162.3056

■ 6.7471, 6.2455,
26.5939

■ 100.1263,
100.0610, 201.8941

■ 3.3494, 2.9949,
17.0388

■ 127.7926,
128.2275, 247.4471

■ 1.3411, 1.1291,
10.0999

160.1365,
161.2384, 299.3833

■ 0.2137, 0.0026,
5.3588

197.5235,

■ 0.0000, 0.0000,

199.4779, 358.1213

2.3969

240.3189,
243.3305, 424.0794

■ 0.0000, 0.0000,
0.7847

■ 0.0000, 0.0000,
0.0000

■ 28.9307, 28.1495,
75.1427

■ 28.9307, 28.1495,
75.1427

■ 24.6646, 22.8582,
74.3468

■ 34.1783, 34.3779,
76.0689

■ 21.3078, 18.4490,
73.6727

■ 40.4659, 41.5879,
77.1292

■ 18.7826, 14.8647,
73.1139

■ 47.8509, 49.8243,
78.3297

■ 16.9939, 12.0376,
72.6625

■ 56.3855, 59.1281,
79.6757

■ 16.3166, 10.8880,
72.4763

■ 66.1183, 69.5380,
81.1721

■ 77.0951, 81.0906,
82.8234

■ 88.0573, 93.1494,
84.5732

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



23.1706, 28.1495, 72.8793



28.9307, 28.1495, 75.1427



34.8919, 28.1495, 62.5938

Triad

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



28.9307, 28.1495, 75.1427



36.3436, 28.1495, 13.9189



17.3832, 28.1495, 21.0984

Complementary

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



28.9307, 28.1495, 75.1427



50.1297, 50.4052, 19.4005

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.



19.9934, 28.1495, 11.9861



28.9307, 28.1495, 75.1427



30.6917, 28.1495, 9.0248

Square

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



28.9307, 28.1495, 75.1427



39.5724, 28.1495, 24.9731



24.6917, 28.1495, 8.4796



17.0559, 28.1495, 37.1281

Rectangle

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



28.9307, 28.1495, 75.1427



37.9656, 28.1495, 49.5172



24.6917, 28.1495, 8.4796



18.0024, 28.1495, 17.3115

Sweetspot

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



28.9318, 28.1505, 75.1434



72.4827, 75.9294, 105.4433



40.6954, 59.9789, 53.4731



15.0102, 15.7047, 22.4901



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.



28.9318, 28.1505, 75.1434



32.0870, 29.5007, 98.6108



25.9360, 18.7097, 73.4790



13.3388, 14.0167, 17.3901



9.5009, 6.4714, 41.7967



0.7402, 0.6119, 2.9243

Inverse Universe

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



40.7400, 27.3299, 29.5143



49.7394, 30.0741, 29.9954



54.8399, 67.9699, 22.5426



13.9025, 13.7786, 15.2566



18.7358, 9.5613, 5.2746



1.3399, 0.6792, 0.5826

Previews

White Background



This preview shows how the XYZ color 28.9307, 28.1495, 75.1427 looks on a white background.

Color Contrast Check

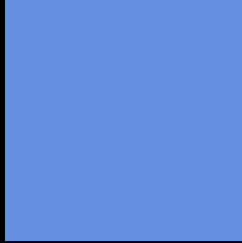
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9307, 28.1495, 75.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

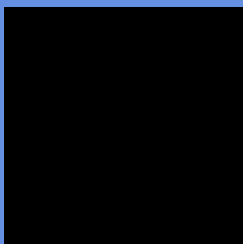
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

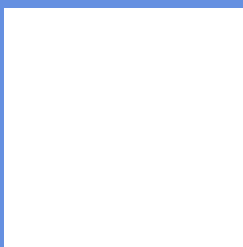
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9307, 28.1495, 75.1427

Background



This preview shows how black text looks on a background with the XYZ color 28.9307, 28.1495, 75.1427.

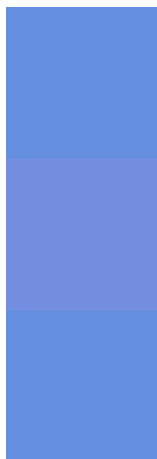


This preview shows how white text looks on a background with the XYZ color 28.9307, 28.1495,

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

28.9307, 28.1495, 75.1427

Protanopia

29.9144, 28.0223, 73.6442

Deuteranopia

28.9307, 28.1495, 75.1427



Tritanopia

22.2646, 28.3096, 41.3366

Trichromacy



Original Color

28.9307, 28.1495, 75.1427

Protanomaly

29.5580, 28.0428, 74.3759

Deuteranomaly

28.9307, 28.1495, 75.1427

Tritanomaly

24.4380, 28.2053, 52.3003

Monochromacy



Original Color

28.9307, 28.1495, 75.1427

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.4797, 26.4256, 42.2858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9307, 28.1495, 75.1427 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(101, 144, 225)` looks like.

```
.text, #text, p{  
    color:rgb(101, 144, 225)  
}
```

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(101, 144, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 144, 225) }
```

Border

The CSS property to change the border of an element to XYZ 28.9307, 28.1495, 75.1427 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(101, 144, 225) }
```


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

```
.border{ border-color:rgb(101, 144, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 144, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 144, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 144, 225); box-shadow:4px 4px 4px 4px rgb(101, 144, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9307, 28.1495, 75.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 144, 225) }
```

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

```
.background{ background-color: rgb(101,  
144, 225) }
```

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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