

Converting Colors

XYZ(30.9912, 28.2842, 87.0474)

Have a look what the booklet for
XYZ(30.9912, 28.2842, 87.0474)
contains.

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Color

**XYZ(30.9956, 28.2842,
87.0448)**

Conversions

Conversions Part 1

Format	Color
Hex	678DF1
RGB	103, 141, 241
RGB Percent	40%, 55%, 95%
CMY	0.5961, 0.4471, 0.0549
CMYK	0.57, 0.41, 0.00, 0.05
HSL	223°, 83%, 67%
HSV	223°, 57%, 95%
XYZ	30.9956, 28.2842, 87.0448
YIQ	141.0380, -54.7480, 23.0440

Conversions

Conversions Part 2

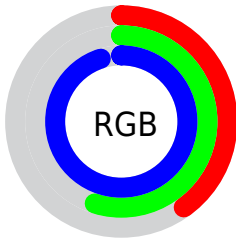
Format	Color
RYB	103, 133, 241
Decimal	6786545
CIELab	60.14, 15.95, -54.34
CIElCh	60, 56.628, 286.357
Yxy	28.2842, 0.2118, 0.1933
Android (android.graphics.Color)	4284976625 (0xFF678DF1)
YUV	141.0380, 49.2813, -33.3593
Hunter-Lab	53.1829, 10.9618, -59.8123

Details

The XYZ color **30.9956, 28.2842, 87.0448** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.0818, 62.3952, 21.7107**, and the grayscale version is **25.1618, 26.4722, 28.8283**.

A 20% lighter version of the original color is **52.4460, 53.5901, 102.1875**, and **12.9885, 11.2499, 46.8343** is the 20% darker color. If you saturate the color by 10%, you get **26.2438, 22.3088, 86.1425**, and if you desaturate by 10%, it is **36.9522, 35.4842, 88.1212**.

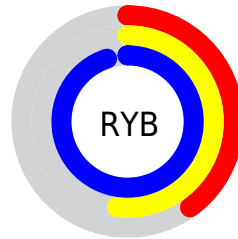
Distribution



Red (40%)

Green (55%)

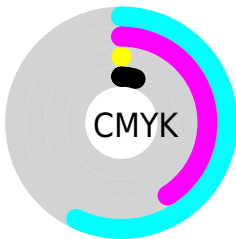
Blue (95%)



Red (40%)

Yellow (52%)

Blue (95%)

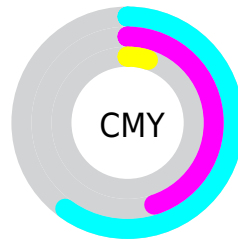


Cyan (57%)

Magenta (41%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (45%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9956, 28.2842, 87.0448 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 30.9956, 28.2842, 87.0448 by changing the saturation by 10% instead.

■ 30.9956, 28.2842,
87.0448

■ 30.9956, 28.2842,
87.0448

298.3453,
293.8224, 538.6901

■ 20.7473, 18.5400,
64.9724

■ 60.6090, 56.9379,
145.1260

■ 13.0508, 11.3384,
46.9875

■ 80.7049, 76.6161,
181.9719

■ 7.5408, 6.2949,
32.6715

■ 104.8140,
100.3745, 224.5795

■ 3.8519, 3.0252,
21.6059

133.3016,
128.5974, 273.3671

■ 1.6187, 1.1449,
13.3721

166.5332,
161.6693, 328.7535

■ 0.4045, 0.0160,
7.5515

204.8742,

■ 0.0000, 0.0000,

199.9745, 391.1571

3.7257

248.6897,
243.8974, 460.9964

■ 0.0000, 0.0000,
1.4761

■ 0.0000, 0.0000,
0.2000

■ 30.9956, 28.2842,
87.0448

■ 30.9956, 28.2842,
87.0448

■ 26.2438, 22.3088,
86.1425

■ 36.9522, 35.4842,
88.1212

■ 22.6038, 17.4808,
85.4024

■ 44.1900, 43.9735,
89.3783

■ 19.9734, 13.7174,
84.8147

■ 52.7830, 53.8153,
90.8251

■ 18.2224, 10.9183,
84.3667

■ 62.7981, 65.0676,
92.4691

■ 17.8464, 10.2891,
84.2650

■ 74.2980, 77.7849,
94.3177

■ 87.3412, 92.0187,
96.3777

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



23.7329, 28.2842, 88.0252



30.9956, 28.2842, 87.0448



38.2626, 28.2842, 67.3008

Triad

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



30.9956, 28.2842, 87.0448



37.6758, 28.2842, 10.0231



15.5014, 28.2842, 22.3209

Complementary

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



30.9956, 28.2842, 87.0448



60.0818, 62.3952, 21.7107

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.



18.0185, 28.2842, 10.6680



30.9956, 28.2842, 87.0448



30.3008, 28.2842, 6.0346

Square

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



30.9956, 28.2842, 87.0448



42.5675, 28.2842, 20.8816



23.1518, 28.2842, 6.2010



15.6199, 28.2842, 43.4384

Rectangle

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



30.9956, 28.2842, 87.0448



41.7512, 28.2842, 49.7024



23.1518, 28.2842, 6.2010



16.0448, 28.2842, 17.4201

Sweetspot

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



30.9967, 28.2851, 87.0455



71.6450, 74.2540, 105.1641



47.6990, 70.0547, 66.8245



14.8138, 15.3119, 22.4247



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.



30.9967, 28.2851, 87.0455



28.9321, 24.1914, 97.7523



30.3862, 21.0317, 85.6776



15.2514, 15.9370, 19.9939



9.7742, 5.7726, 45.7269



0.8935, 0.6409, 3.8308

Inverse Universe

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



45.9347, 30.3260, 28.6324



47.9027, 28.4044, 23.2061



60.7973, 77.7544, 24.6376



15.9516, 15.8304, 17.3014



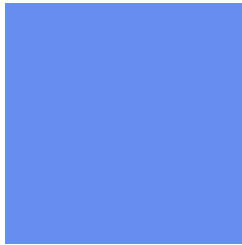
20.2592, 10.3761, 4.0154



1.7259, 0.8794, 0.5476

Previews

White Background



This preview shows how the XYZ color 30.9956, 28.2842, 87.0448 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 30.9956, 28.2842, 87.0448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

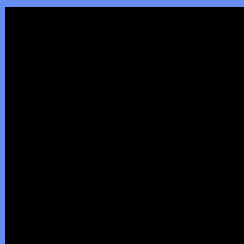
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

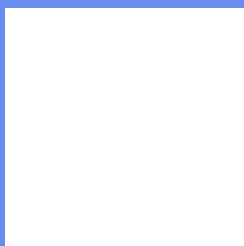
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9956, 28.2842, 87.0448

Background



This preview shows how black text looks on a background with the XYZ color 30.9956, 28.2842, 87.0448.



This preview shows how white text looks on a background with the XYZ color 30.9956, 28.2842,

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

30.9956, 28.2842, 87.0448

Protanopia

30.9956, 28.2842, 87.0448

Deuteranopia

29.2469, 28.2914, 86.3574



Tritanopia

22.0424, 28.4344, 41.8627

Trichromacy



Original Color

30.9956, 28.2842, 87.0448

Protanomaly

30.9956, 28.2842, 87.0448

Deuteranomaly

29.8213, 28.3616, 86.3407

Tritanomaly

24.6632, 28.0046, 55.7353

Monochromacy



Original Color

30.9956, 28.2842, 87.0448

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.2131, 26.7361, 45.3740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9956, 28.2842, 87.0448 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(103, 141, 241)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 241)  
}
```

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(103, 141, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 241) }
```

Border

The CSS property to change the border of an element to XYZ 30.9956, 28.2842, 87.0448 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(103, 141, 241) }
```


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

```
.border{ border-color:rgb(103, 141, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 241);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9956, 28.2842, 87.0448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 241) }
```

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

```
.background{ background-color: rgb(103,  
141, 241) }
```

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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