

Converting Colors

XYZ(32.8336, 27.0268,
112.4292)

Have a look what the booklet for
XYZ(32.8336, 27.0268, 112.4292)
contains.

XYZ(30.0937, 25.8799, 98.0169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0937, 25.8799,
98.0169)**

Conversions

Conversions Part 1

Format	Color
Hex	5485FF
RGB	84, 133, 255
RGB Percent	33%, 52%, 100%
CMY	0.6705, 0.4784, 0.0000
CMYK	0.67, 0.48, 0.00, 0.00
HSL	223°, 100%, 66%
HSV	223°, 67%, 100%
XYZ	30.0937, 25.8799, 98.0169
YIQ	132.2570, -68.3660, 27.5540

Conversions

Conversions Part 2

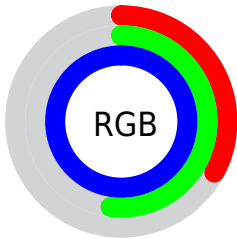
Format	Color
RYB	84, 122, 255
Decimal	5539327
CIELab	57.92, 22.15, -65.66
CIELCh	58, 69.296, 288.644
Yxy	25.8799, 0.1954, 0.1681
Android (android.graphics.Color)	4283729407 (0xFF5485FF)
YUV	132.2570, 60.5123, -42.3214
Hunter-Lab	50.8723, 16.5659, -78.6249

Details

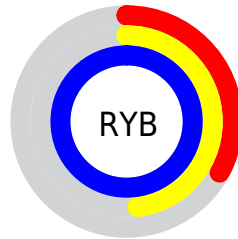
The XYZ color **30.0937, 25.8799, 98.0169** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **64.9142, 66.0475, 17.7167**, and the grayscale version is **21.8324, 22.9694, 25.0136**.

A 20% lighter version of the original color is **48.0033, 48.7274, 101.4830**, and **13.2484, 10.3719, 54.1270** is the 20% darker color. If you saturate the color by 10%, you get **25.9335, 20.3524, 97.1693**, and if you desaturate by 10%, it is **35.5177, 32.6997, 99.0474**.

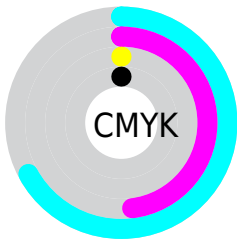
Distribution



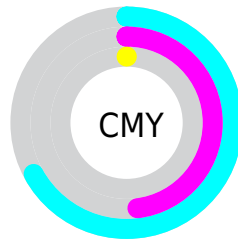
- Red (33%)
- Green (52%)
- Blue (100%)



- Red (33%)
- Yellow (48%)
- Blue (100%)



- Cyan (67%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0937, 25.8799, 98.0169 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 30.0937, 25.8799, 98.0169 by changing the saturation by 10% instead.

■ 30.0937, 25.8799,
98.0169

■ 30.0937, 25.8799,
98.0169

294.2430,
282.1920, 575.0080

■ 20.0581, 16.7338,
74.0378

■ 59.1959, 53.0811,
160.4573

■ 12.5458, 10.0449,
54.3280

■ 78.9933, 71.9051,
199.7557

■ 7.1914, 5.4287,
38.4690

■ 102.7754, 94.7237,
244.9975

■ 3.6295, 2.5009,
26.0422

■ 130.9075,
121.9216, 296.6014

■ 1.4947, 0.8771,
16.6292

163.7549,
153.8829, 354.9858

■ 0.3222, 0.0000,
9.8113

201.6830,

■ 0.0000, 0.0000,

190.9921, 420.5694

5.1701

245.0573,
233.6337, 493.7706

■ 0.0000, 0.0000,
2.2869

■ 0.0000, 0.0000,
0.7239

■ 30.0937, 25.8799,
98.0169

■ 30.0937, 25.8799,
98.0169

■ 25.9335, 20.3524,
97.1693

■ 35.5177, 32.6997,
99.0474

■ 22.9166, 16.0216,
96.4924

■ 42.3038, 40.8926,
100.2712

■ 20.8983, 12.7770,
95.9725

■ 50.5437, 50.5348,
101.6980

■ 20.4365, 11.9930,
95.8455

■ 60.3199, 61.6956,
103.3370

■ 71.7083, 74.4400,
105.1967

■ 84.7797, 88.8287,
107.2850

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



21.5715, 25.8799, 101.5299



30.0937, 25.8799, 98.0169



38.7181, 25.8799, 70.7632

Triad

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



30.0937, 25.8799, 98.0169



36.7986, 25.8799, 5.8431



11.9801, 25.8799, 20.0632

Complementary

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



30.0937, 25.8799, 98.0169



64.9142, 66.0475, 17.7167

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.



14.4111, 25.8799, 7.4134



30.0937, 25.8799, 98.0169



27.8953, 25.8799, 2.8690

Square

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



30.0937, 25.8799, 98.0169



43.1532, 25.8799, 15.8911



19.8159, 25.8799, 3.2115



12.3099, 25.8799, 45.5746

Rectangle

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



30.0937, 25.8799, 98.0169



42.7766, 25.8799, 48.4487



19.8159, 25.8799, 3.2115



12.4744, 25.8799, 14.5366

Sweetspot

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



30.0948, 25.8806, 98.0170



68.1823, 70.5182, 104.6255



50.2806, 77.7507, 69.2976



13.9024, 14.3209, 22.2814



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.



30.0948, 25.8806, 98.0170



24.9318, 18.9570, 96.9528



28.7207, 17.4284, 96.4580



17.4268, 18.2253, 22.8493



10.7880, 6.4856, 50.1178



1.1389, 0.8086, 4.9093

Inverse Universe

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



48.6448, 29.2958, 25.2814



45.2083, 24.7415, 16.9877



67.1192, 87.5014, 21.7416



18.2233, 18.0726, 19.7933



22.2335, 11.3827, 4.6140



2.2095, 1.1262, 0.6846

Previews

White Background



This preview shows how the XYZ color 30.0937, 25.8799, 98.0169 looks on a white background.

Color Contrast Check

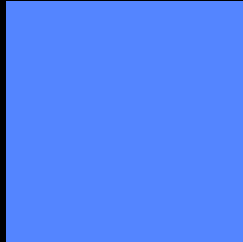
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0937, 25.8799, 98.0169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

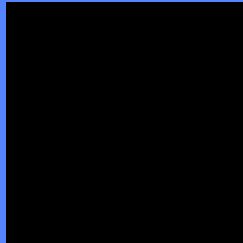
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

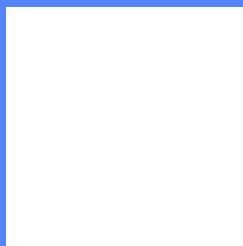
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0937, 25.8799, 98.0169

Background



This preview shows how black text looks on a background with the XYZ color 30.0937, 25.8799, 98.0169.



This preview shows how white text looks on a background with the XYZ color 30.0937, 25.8799,

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

30.0937, 25.8799, 98.0169

Protanopia

29.5556, 25.8067, 98.0312

Deuteranopia

26.6238, 25.8893, 93.2164



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

30.0937, 25.8799, 98.0169

Protanomaly

29.7995, 25.9325, 98.0426

Deuteranomaly

27.0661, 25.4333, 94.7494

Tritanomaly

21.0370, 24.9263, 57.1286

Monochromacy



Original Color

30.0937, 25.8799, 98.0169

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.2573, 23.3217, 44.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0937, 25.8799, 98.0169 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(84, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 133, 255)  
}
```

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(84, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.0937, 25.8799, 98.0169 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(84, 133, 255) }
```


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

```
.border{ border-color:rgb(84, 133, 255) }
```

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

Here you see how a box with a 4 pixel rgb(84, 133, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0937, 25.8799, 98.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 133, 255) }
```

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

```
.background{ background-color: rgb(84, 133,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor