

# Converting Colors

XYZ(34.7372, 32.9440, 94.0524)

Have a look what the booklet for  
XYZ(34.7372, 32.9440, 94.0524)  
contains.

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# Color

**XYZ(34.6745, 32.8102,  
94.1280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6C99F9
RGB	108, 153, 249
RGB Percent	42%, 60%, 98%
CMY	0.5764, 0.4000, 0.0235
CMYK	0.57, 0.39, 0.00, 0.02
HSL	221°, 92%, 70%
HSV	221°, 57%, 98%
XYZ	34.6745, 32.8102, 94.1280
YIQ	150.4890, -57.6360, 20.3160

# Conversions

## Conversions Part 2

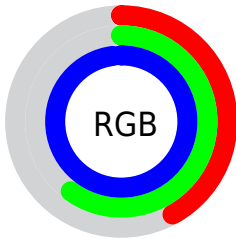
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	108, 142, 249
Decimal	7117305
CIE Lab	64.01, 12.41, -52.58
CIE LCh	64, 54.026, 283.280
Yxy	32.8102, 0.2146, 0.2030
Android (android.graphics.Color)	4285307385 (0xFF6C99F9)
YUV	150.4890, 48.5659, -37.2629
Hunter-Lab	57.2802, 7.8145, -57.3346

# Details

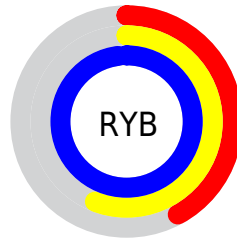
The XYZ color **34.6745, 32.8102, 94.1280** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.3687, 64.4114, 23.2821**, and the grayscale version is **29.0159, 30.5270, 33.2439**.

A 20% lighter version of the original color is **56.5113, 60.1705, 103.2433**, and **15.2014, 13.9376, 51.7582** is the 20% darker color. If you saturate the color by 10%, you get **29.4867, 26.3054, 93.1465**, and if you desaturate by 10%, it is **41.1237, 40.5515, 95.2830**.

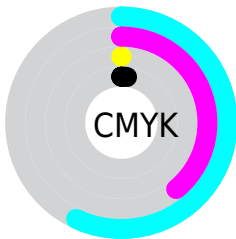
# Distribution



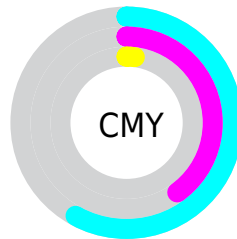
- Red (42%)
- Green (60%)
- Blue (98%)



- Red (42%)
- Yellow (56%)
- Blue (98%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)



- Cyan (58%)
- Magenta (40%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6745, 32.8102, 94.1280 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 34.6745, 32.8102, 94.1280 by changing the saturation by 10% instead.



■ 34.6745, 32.8102,  
94.1280

■ 34.6745, 32.8102,  
94.1280

314.6625,  
314.7936, 562.2825

■ 23.5776, 21.9811,  
70.8165

■ 66.3186, 64.0791,  
155.0445

■ 15.1436, 13.8430,  
51.7116

■ 87.5964, 85.2877,  
193.4867

■ 9.0072, 8.0116,  
36.3946

■ 112.9986,  
110.7248, 237.8096

■ 4.8030, 4.1023,  
24.4470

142.8906,  
140.7750, 288.4316

■ 2.1657, 1.7310,  
15.4503

177.6375,  
175.8226, 345.7713

■ 0.7246, 0.4436,  
8.9859

217.6050,

■ 0.0000, 0.0000,

216.2519, 410.2474

4.6353

263.1582,  
262.4475, 482.2782

■ 0.0000, 0.0000,  
1.9799

■ 0.0000, 0.0000,  
0.5429

■ 34.6745, 32.8102,  
94.1280

■ 34.6745, 32.8102,  
94.1280

■ 29.4867, 26.3054,  
93.1465

■ 41.1237, 40.5515,  
95.2830

■ 25.4641, 20.9615,  
92.3271

■ 48.9129, 49.5915,  
96.6174

■ 22.5013, 16.6984,  
91.6604

■ 58.1184, 59.9919,  
98.1396

■ 20.4675, 13.4203,  
91.1348

■ 68.8095, 71.8091,  
99.8571

■ 19.9285, 12.4985,  
90.9853

■ 81.0507, 85.0964,  
101.7766

■ 94.0113, 99.4442,  
103.8629

■ 94.0990, 99.6196,  
103.8922

# Harmonies

## Analogous

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



27.1557, 32.8102, 92.8895



34.6745, 32.8102, 94.1280



42.3509, 32.8102, 75.8241

# Triad

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



34.6745, 32.8102, 94.1280



43.1184, 32.8102, 13.9832



19.1490, 32.8102, 24.9584

# Complementary

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



34.6745, 32.8102, 94.1280



63.3687, 64.4114, 23.2821

# 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.



22.1777, 32.8102, 13.0514



34.6745, 32.8102, 94.1280



35.5946, 32.8102, 8.7179

# Square

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



34.6745, 32.8102, 94.1280



47.7351, 32.8102, 26.9240



27.9380, 32.8102, 8.4657



18.9850, 32.8102, 46.2604



# Rectangle

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



34.6745, 32.8102, 94.1280



46.1938, 32.8102, 58.1165



27.9380, 32.8102, 8.4657



19.8402, 32.8102, 19.9800

# Sweetspot

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



34.6758, 32.8113, 94.1288



72.1569, 75.2776, 105.3347



50.7222, 75.2049, 67.7216



14.9337, 15.5518, 22.4646



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.



34.6758, 32.8113, 94.1288



30.4316, 26.8692, 98.1901



31.9010, 22.4321, 92.2717



16.7351, 17.5471, 21.8902



10.7801, 6.9158, 48.7403



1.0897, 0.8230, 4.5446



# Inverse Universe

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



50.1805, 33.1665, 33.8948



48.7380, 29.0387, 26.6793



67.7912, 84.9231, 27.0082



17.4728, 17.3165, 19.0798



21.7333, 11.1091, 5.3042

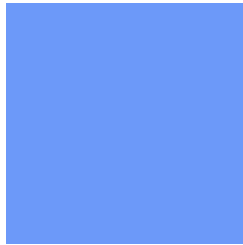


2.0589, 1.0473, 0.7337



# Previews

## White Background



This preview shows how the XYZ color 34.6745, 32.8102, 94.1280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

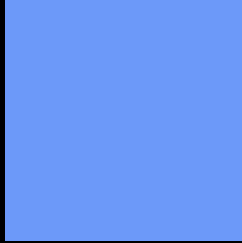
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6745, 32.8102, 94.1280 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

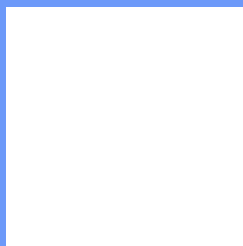
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6745, 32.8102, 94.1280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6745, 32.8102, 94.1280.



This preview shows how white text looks on a background with the XYZ color 34.6745, 32.8102,



# 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

34.6745, 32.8102, 94.1280

### Protanopia

35.1912, 32.6305, 92.4392

### Deuteranopia

33.9658, 32.9349, 94.1894



## Tritanopia

25.5525, 32.7230, 48.6855

# Trichromacy



## Original Color

34.6745, 32.8102, 94.1280

## Protanomaly

35.1109, 32.8112, 93.2896

## Deuteranomaly

34.1340, 32.7755, 94.1498

## Tritanomaly

28.3753, 32.5210, 63.1742

# Monochromacy



## Original Color

34.6745, 32.8102, 94.1280

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

29.9212, 30.8293, 50.8280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6745, 32.8102, 94.1280 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(108, 153, 249)` looks like.

```
.text, #text, p{  
    color:rgb(108, 153, 249)  
}
```

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(108, 153, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 153, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6745, 32.8102, 94.1280 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".

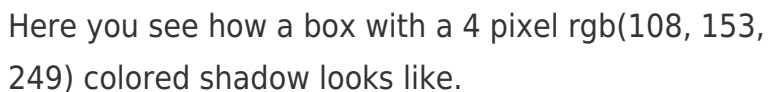
```
.border, #border, table{ border:4px solid rgb(108, 153, 249) }
```



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

```
.border{ border-color:rgb(108, 153, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 153, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 153, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 153, 249);  
box-shadow:4px 4px 4px 4px rgb(108, 153,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6745, 32.8102, 94.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 153, 249) }
```

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

```
.background{ background-color: rgb(108,  
153, 249) }
```

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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