

Converting Colors

XYZ(34.8799, 34.6778, 82.8108)

Have a look what the booklet for
XYZ(34.8799, 34.6778, 82.8108)
contains.

XYZ(34.8572, 34.6587, 82.6945)	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(34.8572, 34.6587,
82.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	779FEA
RGB	119, 159, 234
RGB Percent	47%, 62%, 92%
CMY	0.5333, 0.3765, 0.0823
CMYK	0.49, 0.32, 0.00, 0.08
HSL	219°, 73%, 69%
HSV	219°, 49%, 92%
XYZ	34.8572, 34.6587, 82.6945
YIQ	155.5900, -47.9150, 14.8450

Conversions

Conversions Part 2

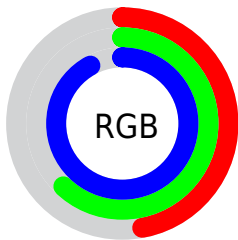
Format	Color
R _Y B	119, 149, 234
Decimal	7839722
CIE Lab	65.48, 6.68, -41.99
CIE LCh	65, 42.516, 279.037
Yxy	34.6587, 0.2290, 0.2277
Android (android.graphics.Color)	4286029802 (0xFF779FEA)
YUV	155.5900, 38.6561, -32.0894
Hunter-Lab	58.8716, 2.6624, -42.0720

Details

The XYZ color **34.8572, 34.6587, 82.6945** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.5548, 57.4101, 25.5551**, and the grayscale version is **31.2674, 32.8957, 35.8235**.

A 20% lighter version of the original color is **59.7487, 64.0386, 103.8193**, and **15.2619, 14.9001, 44.1911** is the 20% darker color. If you saturate the color by 10%, you get **29.5679, 28.2741, 81.7416**, and if you desaturate by 10%, it is **41.2635, 42.1013, 83.7941**.

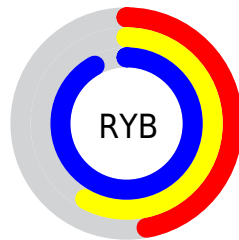
Distribution



Red (47%)

Green (62%)

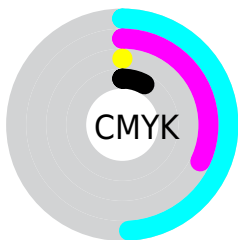
Blue (92%)



Red (47%)

Yellow (58%)

Blue (92%)

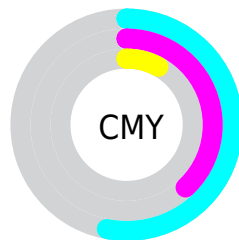


Cyan (49%)

Magenta (32%)

Yellow (0%)

Black (8%)



Cyan (53%)

Magenta (38%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8572, 34.6587, 82.6945 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 34.8572, 34.6587, 82.6945 by changing the saturation by 10% instead.

■ 34.8572, 34.6587,
82.6945

■ 34.8572, 34.6587,
82.6945

315.4566,
323.0593, 523.9121

■ 23.7189, 23.4001,
61.3990

■ 66.6000, 66.9567,
138.9929

■ 15.2488, 14.8892,
44.1146

■ 87.9351, 88.7649,
174.8329

■ 9.0817, 8.7417,
30.4228

■ 113.4000,
114.8584, 216.3582

■ 4.8520, 4.5731,
19.9049

143.3598,
145.6216, 263.9872

■ 2.1946, 1.9990,
12.1426

178.1801,
181.4389, 318.1386

■ 0.7399, 0.6069,
6.7171

218.2261,

■ 0.0000, 0.0000,

222.6946, 379.2308

3.2101

263.8631,
269.7733, 447.6825

■ 0.0000, 0.0000,
1.2029

■ 0.0000, 0.0000,
0.0000

■ 34.8572, 34.6587,
82.6945

■ 34.8572, 34.6587,
82.6945

■ 29.5679, 28.2741,
81.7416

■ 41.2635, 42.1013,
83.7941

■ 25.3211, 22.8900,
80.9262

■ 48.8473, 50.6480,
85.0441

■ 22.0382, 18.4477,
80.2418

■ 57.6690, 60.3461,
86.4510

■ 19.6260, 14.8797,
79.6802

■ 67.7835, 71.2391,
88.0205

■ 17.9465, 12.0936,
79.2310

■ 79.2423, 83.3681,
89.7577

■ 17.8227, 11.8832,
79.1969

■ 90.4544, 95.9266,
91.5908

■ 91.8514, 98.7206,
92.0564

Harmonies

Analogous

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



28.8448, 34.6587, 79.6251



34.8572, 34.6587, 82.6945



41.0659, 34.6587, 71.0957

Triad

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



34.8572, 34.6587, 82.6945



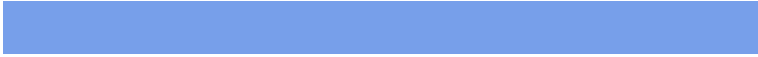
43.1354, 34.6587, 20.0101



22.9858, 34.6587, 26.7592

Complementary

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



34.8572, 34.6587, 82.6945



56.5548, 57.4101, 25.5551

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.



25.9671, 34.6587, 16.8905



34.8572, 34.6587, 82.6945



37.4100, 34.6587, 13.9331

Square

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



34.8572, 34.6587, 82.6945



46.2256, 34.6587, 32.6074



31.0984, 34.6587, 13.0063



22.4835, 34.6587, 43.3792

Rectangle

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



34.8572, 34.6587, 82.6945



44.3023, 34.6587, 58.2514



31.0984, 34.6587, 13.0063



23.7115, 34.6587, 22.7125

Sweetspot

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



34.8585, 34.6599, 82.6953



74.9028, 78.5570, 105.8230



46.7414, 66.6524, 61.2950



15.4895, 16.2276, 22.5658



0.0000, 0.0000, 0.0000



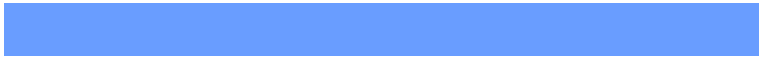
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.8585, 34.6599, 82.6953



35.8593, 34.2688, 99.3323



31.6437, 24.3912, 80.8827



14.6597, 15.4058, 19.1232



10.1215, 6.8901, 44.5394



0.8819, 0.7153, 3.5265

Inverse Universe

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



46.7877, 33.1909, 36.7424



52.3213, 33.7019, 35.5912



61.2947, 74.8918, 28.6796



15.2818, 15.1406, 16.7691



19.9642, 10.1884, 5.6127



1.6116, 0.8176, 0.6723

Previews

White Background



This preview shows how the XYZ color 34.8572, 34.6587, 82.6945 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 34.8572, 34.6587, 82.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

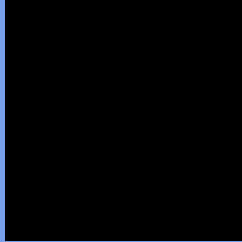
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8572, 34.6587, 82.6945

Background



This preview shows how black text looks on a background with the XYZ color 34.8572, 34.6587, 82.6945.



This preview shows how white text looks on a background with the XYZ color 34.8572, 34.6587,

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

34.8572, 34.6587, 82.6945

Protanopia

36.1438, 34.6148, 80.3776

Deuteranopia

35.3657, 34.4144, 82.6206



Tritanopia

28.3287, 34.6784, 50.0003

Trichromacy



Original Color

34.8572, 34.6587, 82.6945

Protanomaly

35.6757, 34.6073, 81.1435

Deuteranomaly

35.2465, 34.6052, 82.6637

Tritanomaly

30.4225, 34.4257, 60.9185

Monochromacy



Original Color

34.8572, 34.6587, 82.6945

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0364, 33.4143, 50.1085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8572, 34.6587, 82.6945 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(119, 159, 234)` looks like.

```
.text, #text, p{  
    color:rgb(119, 159, 234)  
}
```

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(119, 159, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 159, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.8572, 34.6587, 82.6945 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(119, 159, 234) }
```


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

```
.border{ border-color:rgb(119, 159, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 159, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 159, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 159, 234);  
box-shadow:4px 4px 4px 4px rgb(119, 159,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8572, 34.6587, 82.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 159, 234) }
```

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

```
.background{ background-color: rgb(119,  
159, 234) }
```

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