

Converting Colors

XYZ(36.0303, 34.8890, 89.7916)

Have a look what the booklet for
XYZ(36.0303, 34.8890, 89.7916)
contains.

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Color

**XYZ(36.0123, 34.8467,
89.6221)**

Conversions

Conversions Part 1

Format	Color
Hex	779EF3
RGB	119, 158, 243
RGB Percent	47%, 62%, 95%
CMY	0.5333, 0.3804, 0.0471
CMYK	0.51, 0.35, 0.00, 0.05
HSL	221°, 84%, 71%
HSV	221°, 51%, 95%
XYZ	36.0123, 34.8467, 89.6221
YIQ	156.0290, -50.5290, 18.1670

Conversions

Conversions Part 2

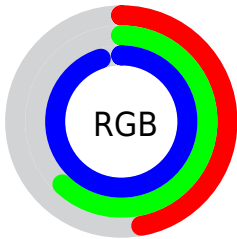
Format	Color
R_{YB}	119, 149, 243
Decimal	7839475
CIE Lab	65.63, 9.95, -46.69
CIE LCh	66, 47.743, 282.035
Yxy	34.8467, 0.2244, 0.2171
Android (android.graphics.Color)	4286029555 (0xFF779EF3)
YUV	156.0290, 42.8767, -32.4744
Hunter-Lab	59.0311, 5.5907, -48.6934

Details

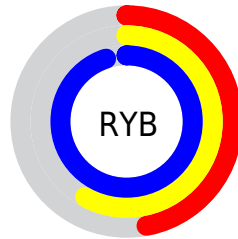
The XYZ color **36.0123, 34.8467, 89.6221** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.8867, 63.5750, 26.4641**, and the grayscale version is **31.4450, 33.0826, 36.0270**.

A 20% lighter version of the original color is **59.7249, 63.6541, 103.7464**, and **15.8655, 14.9601, 48.5058** is the 20% darker color. If you saturate the color by 10%, you get **30.4424, 28.0398, 88.6025**, and if you desaturate by 10%, it is **42.8224, 42.8658, 90.8117**.

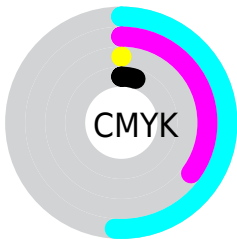
Distribution



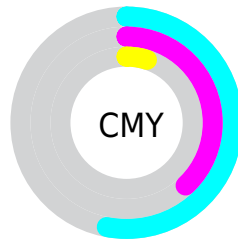
- Red (47%)
- Green (62%)
- Blue (95%)



- Red (47%)
- Yellow (58%)
- Blue (95%)



- Cyan (51%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0123, 34.8467, 89.6221 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 36.0123, 34.8467, 89.6221 by changing the saturation by 10% instead.

■ 36.0123, 34.8467,
89.6221

■ 36.0123, 34.8467,
89.6221

320.4446,
323.8912, 547.3391

■ 24.6138, 23.5448,
67.0953

■ 68.3748, 67.2482,
148.7443

■ 15.9168, 14.9963,
48.7000

■ 90.0696, 89.1166,
186.1768

■ 9.5558, 8.8168,
34.0176

■ 115.9271,
115.2760, 229.4149

■ 5.1654, 4.6219,
22.6297

146.3129,
146.1107, 278.8772

■ 2.3804, 2.0272,
14.1176

181.5921,
182.0052, 334.9823

■ 0.8353, 0.6232,
8.0628

222.1303,

■ 0.0000, 0.0000,

223.3439, 398.1486

4.0468

268.2926,
270.5110, 468.7947

■ 0.0000, 0.0000,
1.6511

■ 0.0000, 0.0000,
0.3269

■ 36.0123, 34.8467,
89.6221

■ 36.0123, 34.8467,
89.6221

■ 30.4424, 28.0398,
88.6025

■ 42.8224, 42.8658,
90.8117

■ 26.0270, 22.3763,
87.7421

■ 50.9427, 52.1531,
92.1763

■ 22.6749, 17.7856,
87.0326

■ 60.4422, 62.7652,
93.7240

■ 20.2773, 14.1852,
86.4641

■ 71.3839, 74.7539,
95.4614

■ 18.7915, 11.6985,
86.0624

■ 83.8267, 88.1682,
97.3948

■ 93.1778, 99.2511,
99.0411

Harmonies

Analogous

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



29.1338, 34.8467, 87.8008



36.0123, 34.8467, 89.6221



42.9937, 34.8467, 74.4548

Triad

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



36.0123, 34.8467, 89.6221



44.1780, 34.8467, 17.5153



21.8796, 34.8467, 27.2350

Complementary

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



36.0123, 34.8467, 89.6221



61.8867, 63.5750, 26.4641

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.



24.8883, 34.8467, 15.8817



36.0123, 34.8467, 89.6221



37.4558, 34.8467, 11.7891

Square

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



36.0123, 34.8467, 89.6221



48.1345, 34.8467, 30.4469



30.3883, 34.8467, 11.3211



21.6069, 34.8467, 46.5763

Rectangle

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



36.0123, 34.8467, 89.6221



46.5134, 34.8467, 59.0825



30.3883, 34.8467, 11.3211



22.5825, 34.8467, 22.5627

Sweetspot

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



36.0136, 34.8479, 89.6230



74.5493, 77.8501, 105.7051



50.5269, 72.3711, 68.2668



15.4050, 16.0586, 22.5376



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.



36.0136, 34.8479, 89.6230



33.8929, 31.1941, 98.8425



33.8859, 25.3939, 87.9103



16.0064, 16.7771, 20.9372



10.4195, 6.6328, 47.2691



1.0040, 0.7593, 4.1839

Inverse Universe

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



49.7318, 34.7187, 36.4289



51.1192, 32.4190, 31.7340



64.9776, 80.6914, 29.6050



16.7138, 16.5684, 18.2395



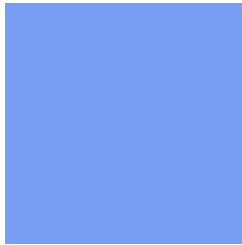
21.0638, 10.7690, 5.0443



1.8958, 0.9643, 0.6778

Previews

White Background



This preview shows how the XYZ color 36.0123, 34.8467, 89.6221 looks on a white background.

Color Contrast Check

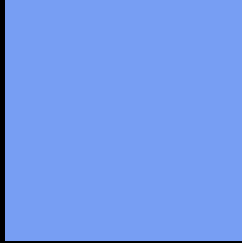
Large Text (above 18pt) WCAG AA × Fail

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 36.0123, 34.8467, 89.6221 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

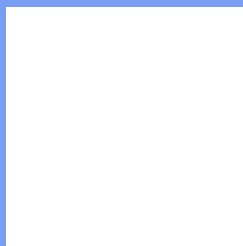
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0123, 34.8467, 89.6221

Background



This preview shows how black text looks on a background with the XYZ color 36.0123, 34.8467, 89.6221.



This preview shows how white text looks on a background with the XYZ color 36.0123, 34.8467,

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

36.0123, 34.8467, 89.6221

Protanopia

36.8189, 34.7949, 87.9946

Deuteranopia

35.7406, 34.7067, 89.6093



Tritanopia

28.2820, 34.9195, 50.5969

Trichromacy



Original Color

36.0123, 34.8467, 89.6221

Protanomaly

36.5414, 34.8847, 88.8119

Deuteranomaly

35.8757, 34.7763, 89.6157

Tritanomaly

30.7191, 34.8060, 62.8568

Monochromacy



Original Color

36.0123, 34.8467, 89.6221

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.4618, 33.5844, 52.3485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0123, 34.8467, 89.6221 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, 158, 243)` looks like.

```
.text, #text, p{  
    color:rgb(119, 158, 243)  
}
```

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, 158, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 158, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.0123, 34.8467, 89.6221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

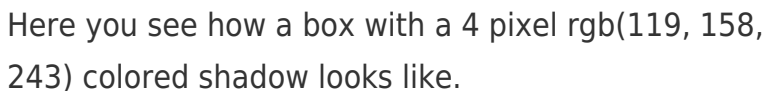
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 158, 243) }
```


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

```
.border{ border-color:rgb(119, 158, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 158, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 158, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 158, 243);  
box-shadow:4px 4px 4px 4px rgb(119, 158,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0123, 34.8467, 89.6221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 158, 243) }
```

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

```
.background{ background-color: rgb(119,  
158, 243) }
```

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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